



**MUFLE®**

**2025 Pricelist**





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## Drainage solutions

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Mufledrain Wing G  
Rainwater drainage systems

# Mufledrain Wing G: the ductile iron rail to challenge time

**Mufledrain Wing G**, a full product range of channels designed and produced by Mufle, dedicated to industrial areas, that, every day, are used by men and heavy vehicles.

The channel body is completely made of HD-PE and the ductile iron rail is firmly integrated.

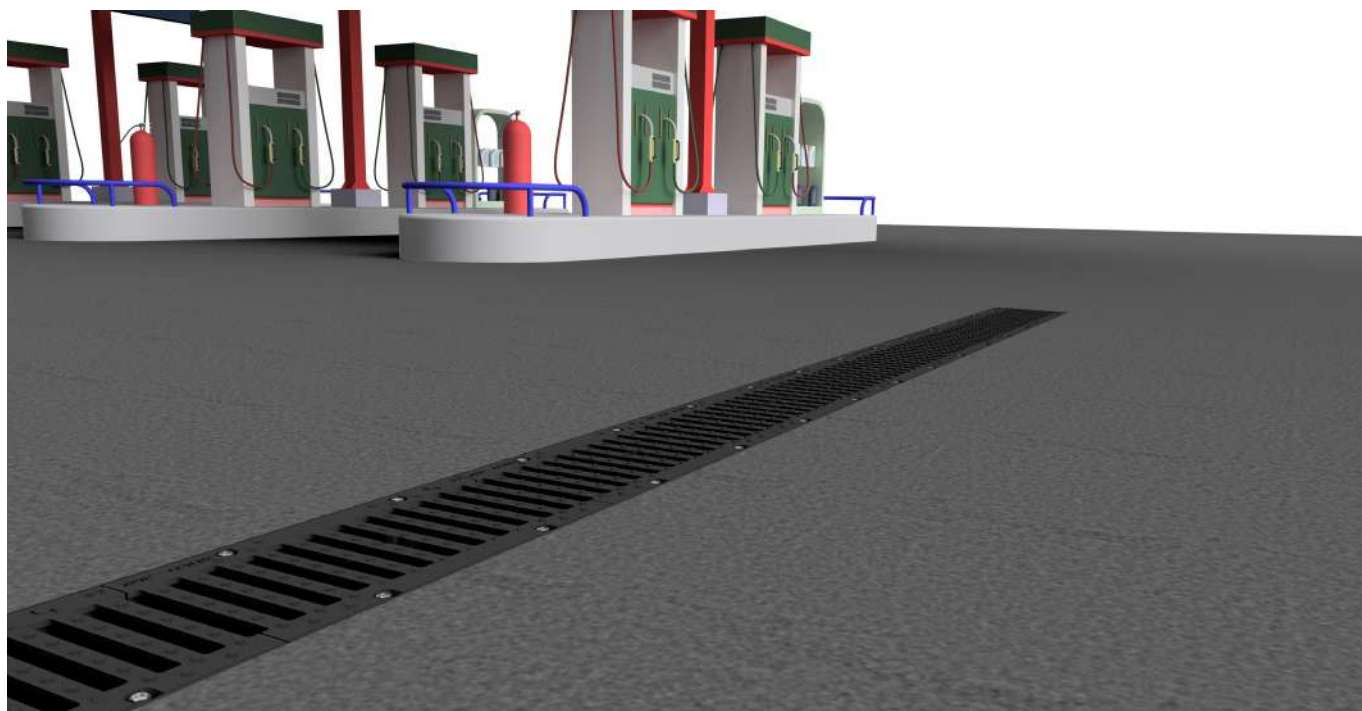
The ductile iron rail GJS 500/7 makes the **Mufledrain Wing G** unique: in addition to being extremely strong due to its generous thickness (6 mm) in the areas subject to vehicular traffic and in the support area of the grating, it is capable of challenging time with its intrinsic qualities of resistance both to traffic and atmospheric severe conditions.

The complete system is suitable and certified up to load class F 900.

Gratings are stable in place thanks to 4 M8 nuts every 50 cm.

## Typical applications

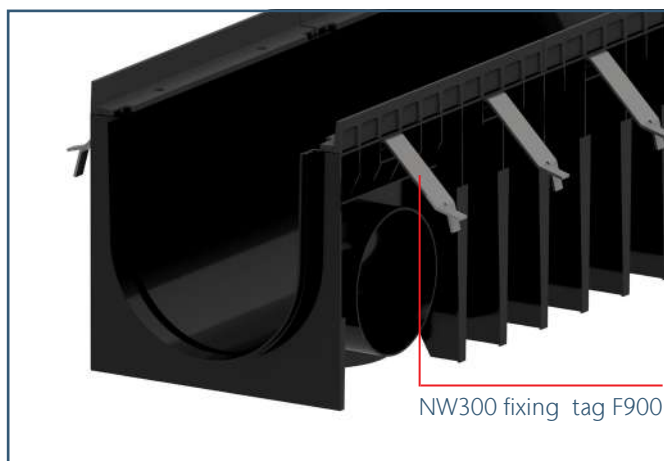
- Areas subject to loading/unloading of goods; container handling with transit of forklifts and truck
- Parking areas with high and constant traffic
- Roads and highways
- Viaducts
- Petrol stations
- Industrial areas
- Port and airport areas



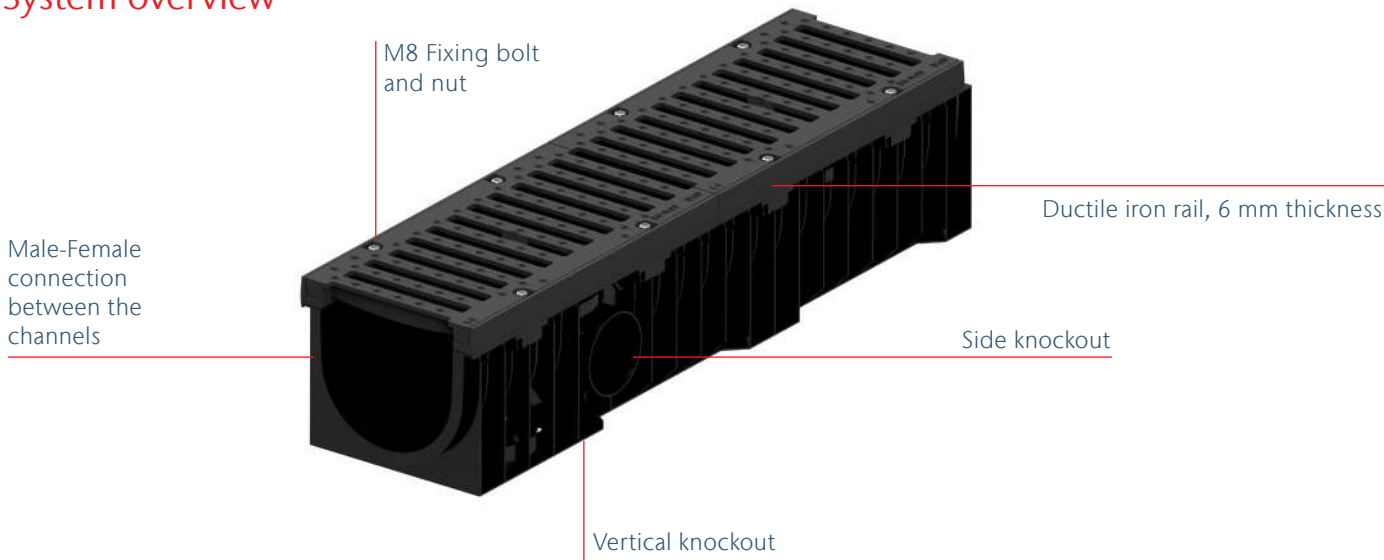
## Main Features

- HD-PE channel body certified for load class D400-F900 according to EN1433:2008
- Ductile iron rail
- 4 different nominal widths available: 100, 150, 200, 300 mm
- With vertical and lateral knockouts
- Sump unit with foul air trap\*
- 4 bolts and nuts fixing system for each grating
- Special pieces for corners, "T" couplings and cross couplings are available on request

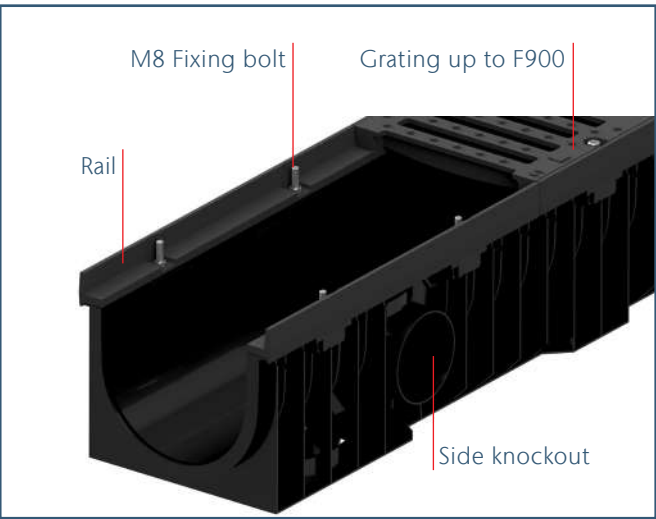
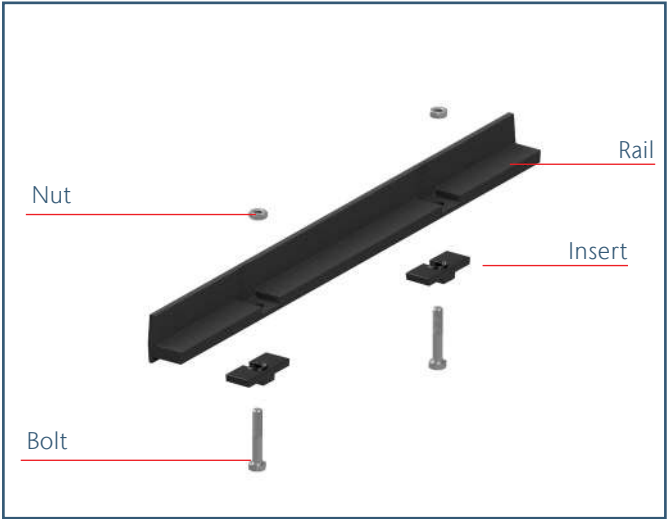
\*Not available for Mufledrain Wing G 200 H=250 mm and Mufledrain Wing G 300 H=300



System overview



Rail detail for channel internal width 100-150-200\*



\*For channel internal width 300, the insert is metallic.

# Mufledrain Wing G 100

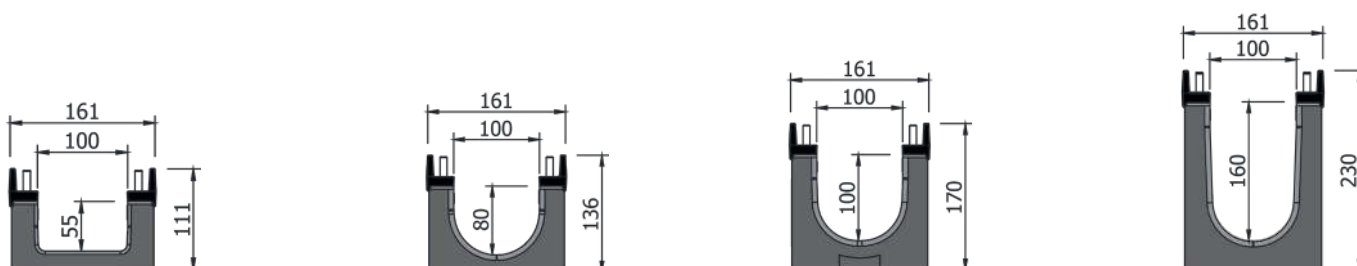
## Product Information

- HD-PE drainage channel, internal width: 100 mm
- Ductile iron rail
- Load class D400, E600, F900 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channel H55 and H80 mm; knockout on all other sizes
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



## Mufledrain Wing G channel with ductile iron rail

Length 1000 mm, total width 161 mm

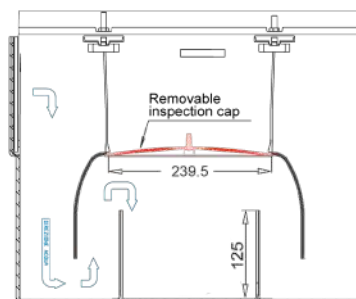
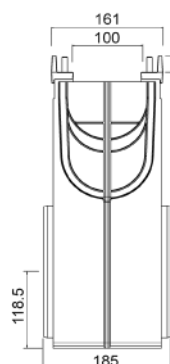
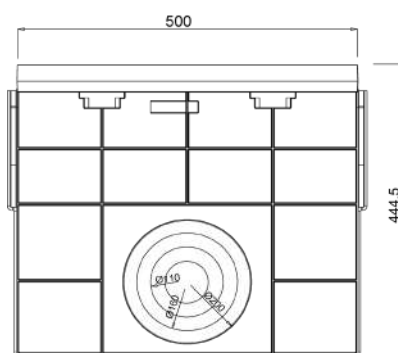


| Total height                                     | Internal height | Ø side outlet | Ø vertical outlet | Weight  | Pieces/pallet (100X120) | Ductile iron   |  |
|--------------------------------------------------|-----------------|---------------|-------------------|---------|-------------------------|----------------|--|
| [mm]                                             | [mm]            | [mm]          | [mm]              | [kg/pc] |                         | Article number |  |
| <b>Channel with vertical outlet kit Ø100/110</b> |                 |               |                   |         |                         |                |  |
| 111                                              | 55              | 2 x Ø40       | 1 x Ø100/110      | 7,80    | 84                      | 703024         |  |
| 136                                              | 80              | 2 x Ø63       | 1 x Ø100/110      | 8,00    | 70                      | 703025         |  |
| <b>Channel with vertical outlet Ø110</b>         |                 |               |                   |         |                         |                |  |
| 170                                              | 100             | 2 x Ø63       | 1 x Ø110          | 8,30    | 56                      | 703026         |  |
| 230                                              | 160             | 2 x Ø110      | 1 x Ø110          | 8,80    | 42                      | 703027         |  |

## Mufledrain Wing G 100 channel accessories

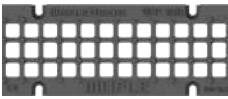
| Image                                                                             | Description                           | For channel internal height | Material | Article number |
|-----------------------------------------------------------------------------------|---------------------------------------|-----------------------------|----------|----------------|
|                                                                                   |                                       | [mm]                        |          |                |
|  | Closed end-cap                        | 55                          | PE       | 700508         |
|                                                                                   |                                       | 80                          | PE       | 700509         |
|                                                                                   |                                       | 100                         | PE       | 700510         |
|                                                                                   |                                       | 160                         | PE       | 700511         |
|  | Ø40 outlet end-cap                    | 55                          | PE       | 700500         |
|                                                                                   | Ø50 outlet end-cap                    | 80                          | PE       | 700521         |
|                                                                                   | Ø75 outlet end-cap                    | 100                         | PE       | 700522         |
|                                                                                   |                                       | 160                         | PE       | 700523         |
|  | Vertical outlet KIT Ø100              | 55/80                       | PE       | 506114         |
|                                                                                   | Vertical outlet KIT Ø110              | 55/80                       | PE       | 506115         |
|  | Step connectors from 100 mm to 160 mm | -                           | Composit | 700516         |
|  | Bituminous sealant                    | -                           | -        | 500345         |

## Mufledrain Wing G 100 sump unit with ductile iron rail



| Description                             | Material | Height | Width | Length | Ø Side Outlet | Weight  | Ductile Iron   |  |
|-----------------------------------------|----------|--------|-------|--------|---------------|---------|----------------|--|
|                                         |          | [mm]   | [mm]  | [mm]   |               | [kg/pc] | Article number |  |
| Sump unit with female-female connection | PE       | 444,5  | 161   | 500    | 2 x Ø110      | 8,90    | 703050         |  |
|                                         |          |        |       |        | 2 x Ø160      |         |                |  |
|                                         |          |        |       |        | 2 x Ø200      |         |                |  |

## Mufledrain Wing G 100 channel gratings

| Image                                                                             | Description                  | Fixing system          | Width<br>[mm] | Length<br>[mm] | Slot/mesh<br>[mm] | Weight<br>[kg/pc] | Article number |
|-----------------------------------------------------------------------------------|------------------------------|------------------------|---------------|----------------|-------------------|-------------------|----------------|
| <b>D 400</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron square mesh     | M8 nuts (not included) | 148           | 498            | 22,5 x 22,5       | 4,80              | 503182         |
|  | Ductile iron slot 20         | M8 nuts (not included) | 148           | 498            | 82 x 20           | 4,75              | 503109         |
| <b>E 600</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron slot 20         | M8 nuts (not included) | 148           | 498            | 82 x 20           | 5,10              | 503110         |
|  | Ductile iron solid top cover | M8 nuts (not included) | 148           | 498            | -                 | 6,00              | 503105         |
| <b>F 900</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron slot 20         | M8 nuts (not included) | 148           | 498            | 82 x 20           | 6,30              | 503173         |

## Mufledrain Wing G 100 grating accessories

| Description | Material         | Valid for                               | Article number        |
|-------------|------------------|-----------------------------------------|-----------------------|
| M8 nuts     | Galvanized steel | Mufledrain Wing G ductile iron gratings | 503320 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

# Mufledrain Wing G 150

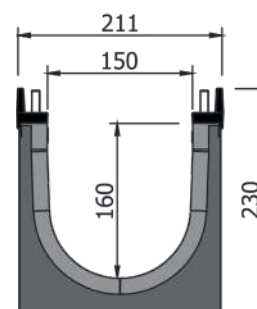
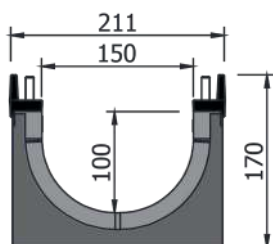
## Product Information

- HD-PE drainage channel, internal width: 150 mm
- Ductile iron rail
- Load class D400, E600, F900 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



## Mufledrain Wing G 150 channel with ductile iron rail

Length 1000 mm, total width 211 mm



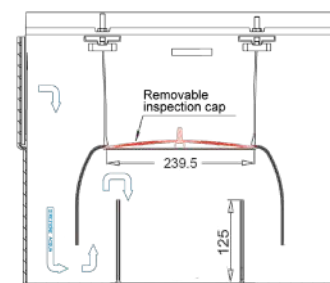
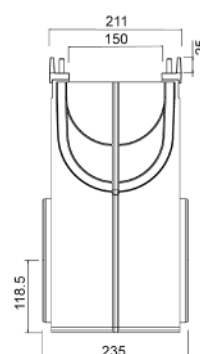
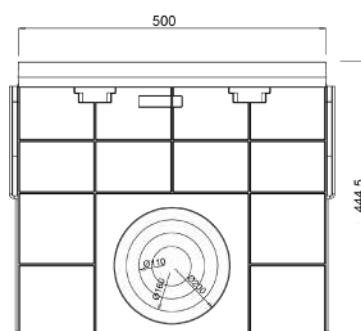
| Total height | Internal height | Ø side outlet | Ø vertical outlet | Weight  | Pieces/pallet (100X120) | Ductile iron   |  |
|--------------|-----------------|---------------|-------------------|---------|-------------------------|----------------|--|
| [mm]         | [mm]            | [mm]          | [mm]              | [kg/pc] |                         | Article number |  |
| 170          | 100             | 2 x Ø63       | 1 x Ø110/160      | 8,70    | 40                      | 703028         |  |
| 230          | 160             | 2 x Ø100      | 1 x Ø110/160      | 9,25    | 30                      | 703029         |  |

### Channel with vertical outlet Ø110/160

## Mufledrain Wing G 150 channel accessories

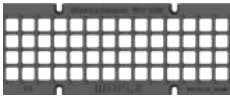
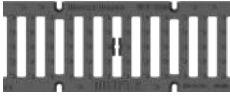
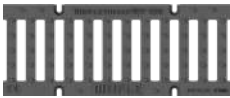
| Image                                                                             | Description                          | For channel internal height<br>[mm] | Material | Article number |
|-----------------------------------------------------------------------------------|--------------------------------------|-------------------------------------|----------|----------------|
|  | Closed end-cap                       | 100                                 | PE       | 700512         |
|                                                                                   |                                      | 160                                 | PE       | 700513         |
|  | Ø75 outlet end-cap                   | 100                                 | PE       | 700524         |
|                                                                                   | Ø110 outlet end-cap                  | 160                                 | PE       | 700505         |
|  | Step connectors from 100 mm a 160 mm | -                                   | Composit | 700517         |
|  | Bituminous sealant                   | -                                   | -        | 500345         |

## Mufledrain Wing G 150 sump unit with ductile iron rail



| Description                             | Material | Height | Width | Length | Ø Side outlet              | Ductile Iron   |        |
|-----------------------------------------|----------|--------|-------|--------|----------------------------|----------------|--------|
|                                         |          | [mm]   | [mm]  | [mm]   | [mm]                       | Article number | Weight |
| Sump unit with female-female connection | PE       | 444,5  | 211   | 500    | 2xØ110<br>2xØ160<br>2xØ200 | 703051         | 9,18   |

## Mufledrain Wing G 150 channel gratings

| Image                                                                             | Description                  | Fixing system          | Width<br>[mm] | Lenght<br>[mm] | Slot/mesh<br>[mm] | Weight<br>[kg/pc] | Article number |
|-----------------------------------------------------------------------------------|------------------------------|------------------------|---------------|----------------|-------------------|-------------------|----------------|
| <b>D 400</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron square mesh     | M8 nuts (not included) | 198           | 498            | 27 x 27           | 7,40              | 503183         |
|  | Ductile iron slot 20         | M8 nuts (not included) | 198           | 498            | 132 x 20          | 7,20              | 503112         |
| <b>E 600</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron slot 20         | M8 nuts (not included) | 198           | 498            | 132 x 20          | 7,50              | 503113         |
|  | Ductile iron solid top cover | M8 nuts (not included) | 198           | 498            | -                 | 10,60             | 503106         |
| <b>F 900</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron slot 20         | M8 nuts (not included) | 198           | 498            | 132 x 20          | 8,50              | 503174         |

## Mufledrain Wing G 150 grating accessories

| Description | Material         | Valid for                               | Article number        |
|-------------|------------------|-----------------------------------------|-----------------------|
| M8 nuts     | Galvanized steel | Mufledrain Wing G ductile iron gratings | 503320 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

# Mufledrain Wing G 200

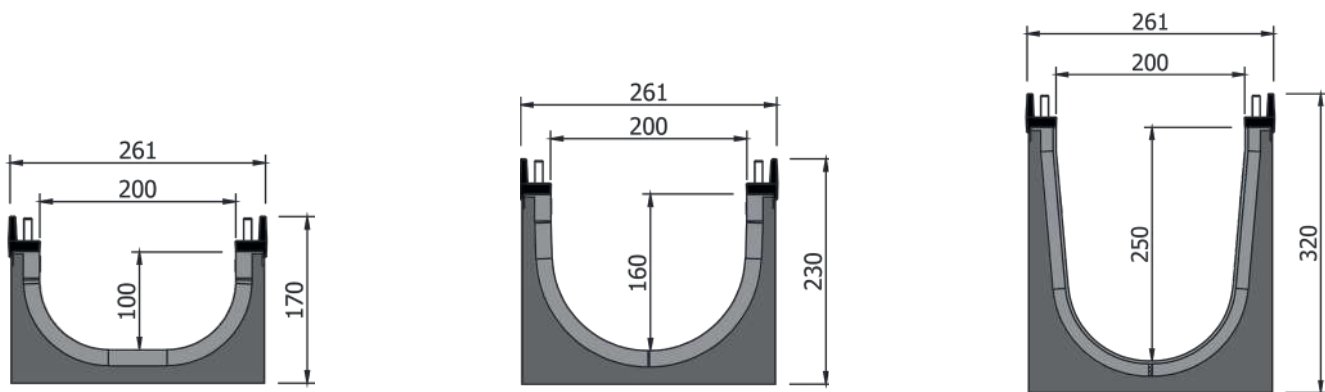
## Product Information

- HD-PE drainage channel, internal width: 200 mm
- Ductile iron rail
- Load class D400, E600, F900 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



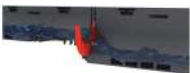
## Mufledrain Wing G 200 channel with ductile iron rail

Length 1000 mm, total width 261 mm

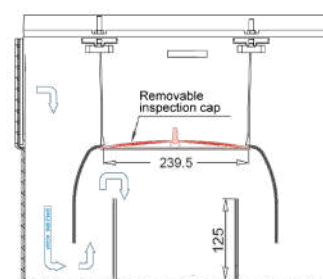
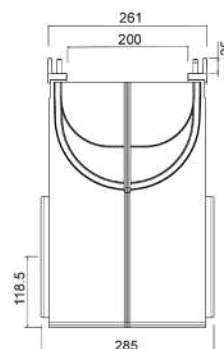
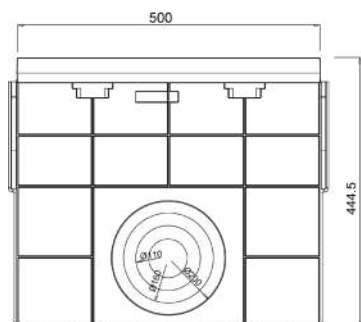


| Total height                                 | Internal height | Ø side outlet | Ø vertical outlet | Weight  | Pieces/pallet (100X120) | Ductile iron   |  |
|----------------------------------------------|-----------------|---------------|-------------------|---------|-------------------------|----------------|--|
| [mm]                                         | [mm]            | [mm]          | [mm]              | [kg/pz] |                         | Article number |  |
| <b>Channel with vertical outlet Ø200/160</b> |                 |               |                   |         |                         |                |  |
| 170                                          | 100             | 2 x Ø63       | 1 x Ø200/160      | 9,05    | 32                      | 703030         |  |
| 230                                          | 160             | 2 x Ø110      | 1 x Ø200/160      | 9,65    | 24                      | 703031         |  |
| 320                                          | 250             | 2 x Ø160/200  | 1 x Ø200/160      | 11,20   | 16                      | 703032         |  |

## Mufledrain Wing G 200 channel accessories

| Image                                                                              | Description                           | For channel internal height | Material | Article number |
|------------------------------------------------------------------------------------|---------------------------------------|-----------------------------|----------|----------------|
|                                                                                    |                                       | [mm]                        |          |                |
|   | Closed end-cap                        | 100                         | PE       | 700514         |
|                                                                                    |                                       | 160                         | PE       | 700515         |
|   | Ø75 outlet end-cap                    | 100                         | PE       | 700526         |
|                                                                                    | Ø110 outlet end-cap                   | 160                         | PE       | 700507         |
|   | Closed end-cap with Ø160 knockout     | 250                         | PE       | 502416         |
|   | Step connectors from 100 mm to 160 mm | -                           | Composit | 700519         |
|                                                                                    | Step connectors from 160 mm to 250 mm | -                           | Composit | 700518         |
|  | Bituminous sealant                    | -                           | -        | 500345         |

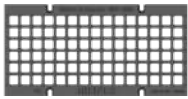
## Mufledrain Wing G 200 sump unit with ductile iron rail



| Description                             | Material | Height | Width | Length | Ø Side Outlet              | Weight  | Ductile iron          |  |
|-----------------------------------------|----------|--------|-------|--------|----------------------------|---------|-----------------------|--|
|                                         |          | [mm]   | [mm]  | [mm]   | [mm]                       | [kg/pc] | Article number        |  |
| Sump unit with female-female connection | PE       | 444,5  | 261   | 500    | 2xØ110<br>2xØ160<br>2xØ200 | 6,30    | 703052 <sup>(1)</sup> |  |

<sup>(1)</sup>It is not designed for connection to H250 channels

## Mufledrain Wing G 200 channel gratings

| Image                                                                             | Description                  | Fixing system          | Width<br>[mm] | Length<br>[mm] | Slot/Mesh<br>[mm] | Weight<br>[kg/pc] | Article number |
|-----------------------------------------------------------------------------------|------------------------------|------------------------|---------------|----------------|-------------------|-------------------|----------------|
| <b>D 400</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron square mesh     | M8 nuts (not included) | 248           | 498            | 24 x 25           | 8,60              | 503184         |
|  | Ductile iron slot 20         | M8 nuts (not included) | 248           | 498            | 182 x 20          | 8,20              | 503115         |
| <b>E 600</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron slot 20         | M8 nuts (not included) | 248           | 498            | 182 x 20          | 9,70              | 503116         |
|  | Ductile iron solid top cover | M8 nuts (not included) | 248           | 498            | -                 | 12,00             | 503107         |
| <b>F 900</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron slot 20         | M8 nuts (not included) | 248           | 498            | 182 x 20          | 10,50             | 503175         |

## Mufledrain Wing G 200 grating accessories

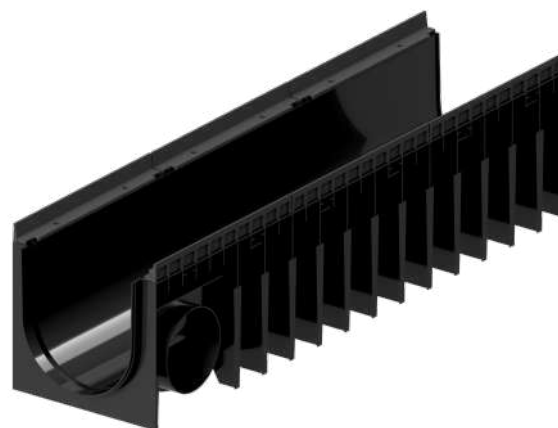
| Description | Material         | Valid for                               | Article number        |
|-------------|------------------|-----------------------------------------|-----------------------|
| M8 Nuts     | Galvanized steel | Mufledrain Wing G ductile iron gratings | 503320 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

# Mufledrain Wing G 300

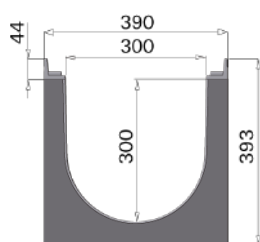
## Product information

- HD-PE drainage channel, internal width: 300 mm
- Ductile iron rail
- Load class D400, E600, F900 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- M10 bolt fixing system for gratings
- Ideal for drainage of large surface



## Mufledrain Wing G 300 channel with ductile iron rail

**Length 1500 mm, total width 390 mm**



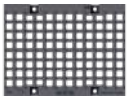
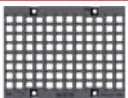
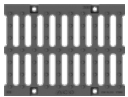
| Total height | Internal height | Ø side outlet | Ø vertical outlet | Type of rail | Weight  | Pieces/pallet (100X120) | Article number |
|--------------|-----------------|---------------|-------------------|--------------|---------|-------------------------|----------------|
| [mm]         | [mm]            | [mm]          | [mm]              |              | [kg/pc] |                         |                |
| 393          | 300             | 2 x Ø200      | 1 x Ø160/200      | Ductile iron | 19,50   | 10*                     | 503018         |

(\*) 6 pieces for F900 type.

## Accessories for Mufledrain Wing G 300 Channel

| Image                                                                               | Description         | For channel internal height<br>[mm] | Material         | Article number |
|-------------------------------------------------------------------------------------|---------------------|-------------------------------------|------------------|----------------|
|  | Closed end-cap      | 300                                 | Galvanized steel | 503411         |
|  | Ø200 outlet end-cap | 300                                 | Galvanized steel | 503412         |
|  | Bituminous sealant  | -                                   | -                | 500345         |

## Mufledrain Wing G 300 channel gratings

| Image                                                                             | Description                  | Fixing system                               | Width<br>[mm] | Length<br>[mm] | Slot/mesh<br>[mm] | Weight<br>[kg/pc] | Article<br>number     |
|-----------------------------------------------------------------------------------|------------------------------|---------------------------------------------|---------------|----------------|-------------------|-------------------|-----------------------|
| <b>D 400</b>                                                                      |                              |                                             |               |                |                   |                   |                       |
|  | Ductile iron square mesh     | M10 nuts (not included)                     | 376           | 498            | 25 x 25           | 18,70             | 503118                |
| <b>E 600</b>                                                                      |                              |                                             |               |                |                   |                   |                       |
|  | Ductile iron square mesh     | M10 nuts (not included)                     | 376           | 498            | 25 x 25           | 23,50             | 503119                |
|  | Ductile iron solid top cover | M10 nuts(not included)                      | 376           | 498            | -                 | 26,00             | 503104                |
| <b>F900</b>                                                                       |                              |                                             |               |                |                   |                   |                       |
|  | Ductile iron slot 24         | M10 nuts and fixing tag F900 (not included) | 376           | 498            | 130 x 24          | 27,50             | 503120 <sup>(1)</sup> |

<sup>(1)</sup> Fixing tag F900 is needed to reach F900 load class and it is suggested in others heavy installations

## Mufledrain Wing G 300 gratings accessories

| Image                                                                               | Description     | Material         | Valid for                                                                                    | Article<br>number     |
|-------------------------------------------------------------------------------------|-----------------|------------------|----------------------------------------------------------------------------------------------|-----------------------|
|  | Blind nut M10   | Galvanized steel | ACO Xtraline G 300 ductile iron gratings                                                     | 503310 <sup>(2)</sup> |
|                                                                                     |                 | Stainless steel  | ACO Xtraline G 300 ductile iron gratings                                                     | 503311 <sup>(2)</sup> |
|  | Fixing tag F900 | Galvanized steel | ACO Xtraline G 300 F900<br>12 pieces<br>ductile iron gratings<br>(assembled before shipment) | 500436 <sup>(2)</sup> |

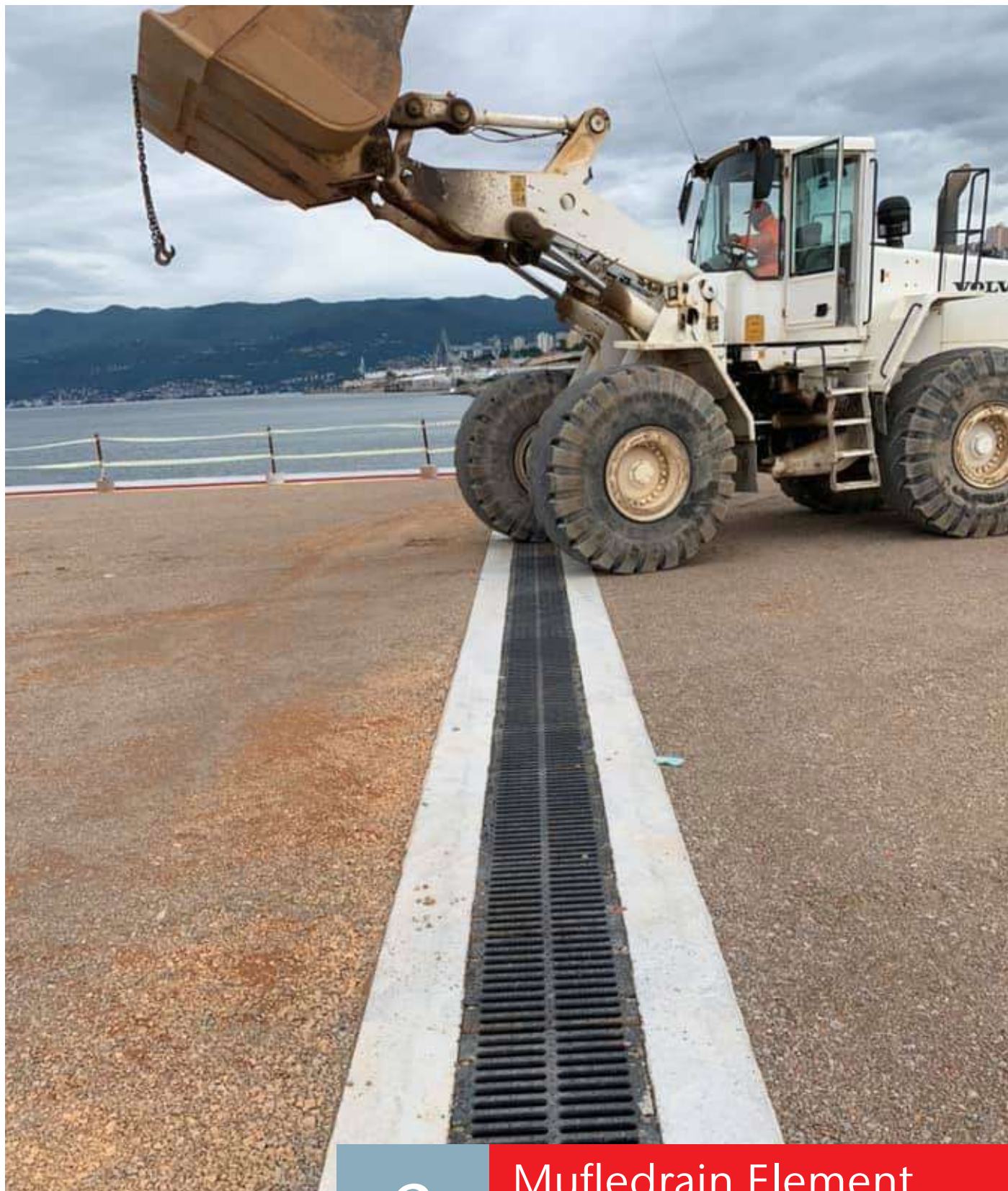
<sup>(2)</sup> Valid for 1,5 meter of channel

## Notes

This image shows a single page of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Declaration of performance at:  
**[www.mufle.com](http://www.mufle.com)**



2

Mufledrain Element  
Rainwater drainage systems

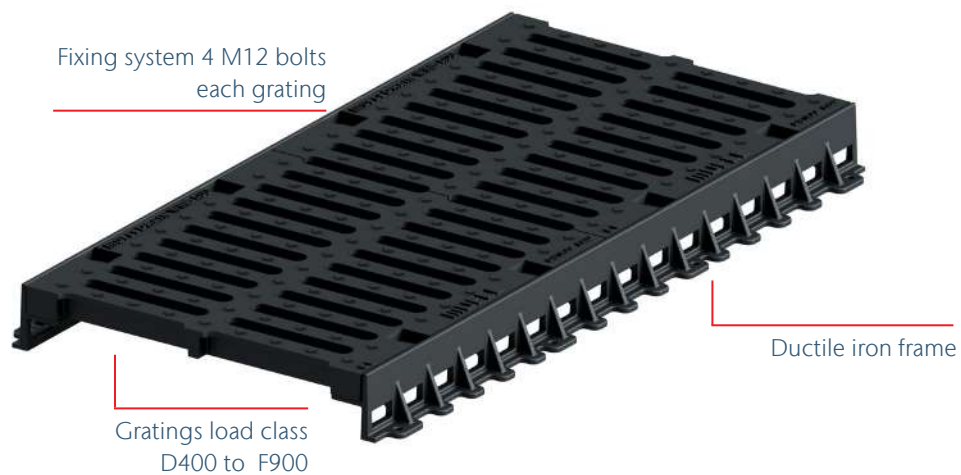
# MUFLE Element: ductile iron frame with gratings

**MUFLE Element** consists of two cast frames connected with gratings from the WING NW300/400 series in load classes D400 to F900.

The connection between frame and grating is ensured by 8 M12 steel bolts per meter.

The grip of the module on the rear-fill concrete is obtained by the presence of large side sections in the frame. The wide surface area ensures that the system is stable and easy to install.

## System overview



## Advantages of the system

- Cast iron frames that are resistant to weather conditions, temperature fluctuations, corrosion, and freeze-thaw cycles
- The system consists of 1 mt long elements and is therefore very light and easy to handle, which greatly simplifies installation
- 0.5-meter gratings with certified loading tests
- The fixing of each grating is ensured by 4 M12 bolts
- Large hydraulic capacity of the gratings; very important parameter for the overall hydraulic balancing



## Installation of MUFLE Element

**MUFLE Element** is delivered assembled and ready for installation.

It is recommended to cover the manufactured product with a plastic sheet so that no cement residue is left on its surface during the installation process.

The positioning of the modules is done above the cast-in-place channel by aligning it with the finished paving level.

The concrete used must be of very good quality (a C30/37, X0 according to EN 206-1 is recommended) and laterally must be vibrated to evenly fill the large lateral spaces required to achieve good fill. Once the backfill with concrete is finished, the plastic sheet can be removed.

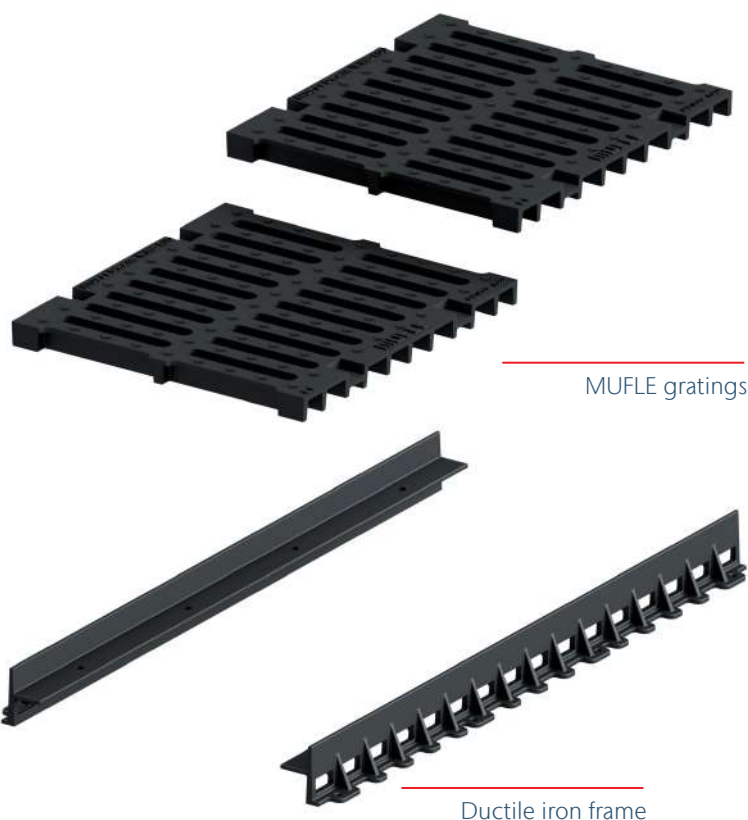
### Typical applications

- Airports
- Ports and harbors
- Logistics centers
- Heavy truck parking areas
- Military areas and bases
- Bus terminals

### The MUFLE Element comes pre-assembled and ready to install

Before commercing works, ensure that the correct MUFLE product has been chosen in term of:

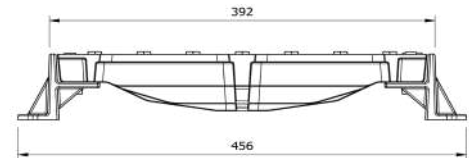
- a. Clear opening size (measure before ordering)
- b. Depth
- c. Loading Class
- d. Specification (normal, highway or high-max specification)



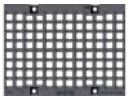
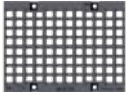
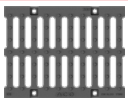
# MUFLE Element 300

## Product information

- Ductile iron frame combined with gratings
- Length of frame 1000 mm
- Load class D400, F900 according to EN 1433
- The fixing of each grating is ensured by 4 M12 bolts
- Dimensions:



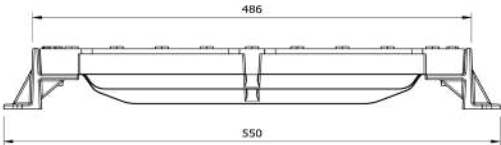
## MUFLE Element 300 combined with gratings

| Grating image                                                                       | Description                  | Fixing system           | Width<br>[mm] | Length<br>[mm] | Slot/mesh<br>[mm] | Weight<br>[kg/pc] | Article<br>number |
|-------------------------------------------------------------------------------------|------------------------------|-------------------------|---------------|----------------|-------------------|-------------------|-------------------|
| <b>D 400</b>                                                                        |                              |                         |               |                |                   |                   |                   |
|  | Ductile iron square mesh     | M12 nuts (not included) | 376           | 1000           | 25 x 25           | 54,78             | 540120            |
| <b>E 600</b>                                                                        |                              |                         |               |                |                   |                   |                   |
|  | Ductile iron square mesh     | M12 nuts (not included) | 376           | 1000           | 25 x 25           | 64,38             | 540121            |
|  | Ductile iron solid top cover | M12 nuts(not included)  | 376           | 1000           | -                 | 69,38             | 540122            |
| <b>F900</b>                                                                         |                              |                         |               |                |                   |                   |                   |
|  | Ductile iron slot 24         | M12nuts (not included)  | 376           | 1000           | 90x 24            | 72,38             | 540111            |

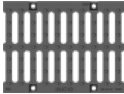
# MUFLE Element 400

Product information

- Ductile iron frame combined with gratings
- Lenght of frame 1000 mm
- Load class F900 according to EN 1433
- The fixing of each grating is ensured by 4 M12 bolts
- Dimensions:



## MUFLE Element 400 combined with grating

| Grating image                                                                       | Description          | Fixing system           | Width | Length | Slot/mesh | Weight  | Article number |
|-------------------------------------------------------------------------------------|----------------------|-------------------------|-------|--------|-----------|---------|----------------|
|                                                                                     |                      |                         | [mm]  | [mm]   | [mm]      | [kg/pc] |                |
| F 900                                                                               |                      |                         |       |        |           |         |                |
|  | Ductile iron slot 24 | M12 nuts (not included) | 376   | 1000   | 130 x 24  | 87,78   | 540104         |



Declaration of performance at:  
**[www.mufle.com](http://www.mufle.com)**



3

Mufledrain Wing  
Rainwater drainage systems

# Mufledrain Wing: safety of the steel rail and bolted locking system

**Mufledrain Wing** is the Mufle range of products designed for industrial and infrastructural areas, where activities (loading and unloading of goods, transit of heavy vehicles, etc.) require the highest performances.

The channel body, completely made of HD-PE, is equipped with a galvanized steel rail, suitable and certified up to the F 900 load class.

The rail, perfectly anchored to the channel body, has a thickness of 4 mm in the area subject to the traffic effects and a thickness of 2 mm to support for the grating area. Four M8 Bolts for every 50 cm fix the gratings to the channel body.

The fixing system also gives the name to this product range where B, stays for bolt, in the number of 4 per grating.

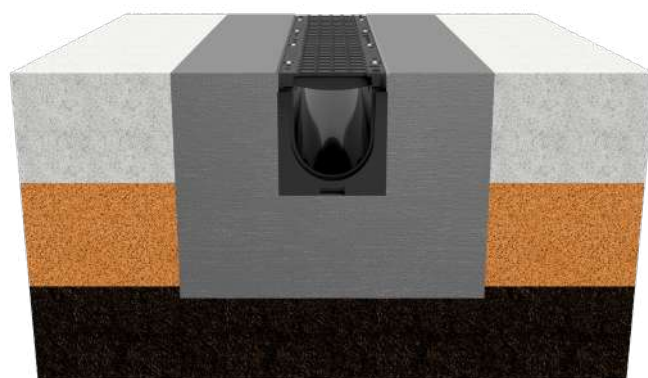
## Typical applications

- Areas subject to loading / unloading of goods; container handling with transit of forklifts and trucks.
- Parking areas with high and constant traffic
- Roads and highways
- Viaducts
- Petrol stations
- Industrial areas
- Port and airport areas.



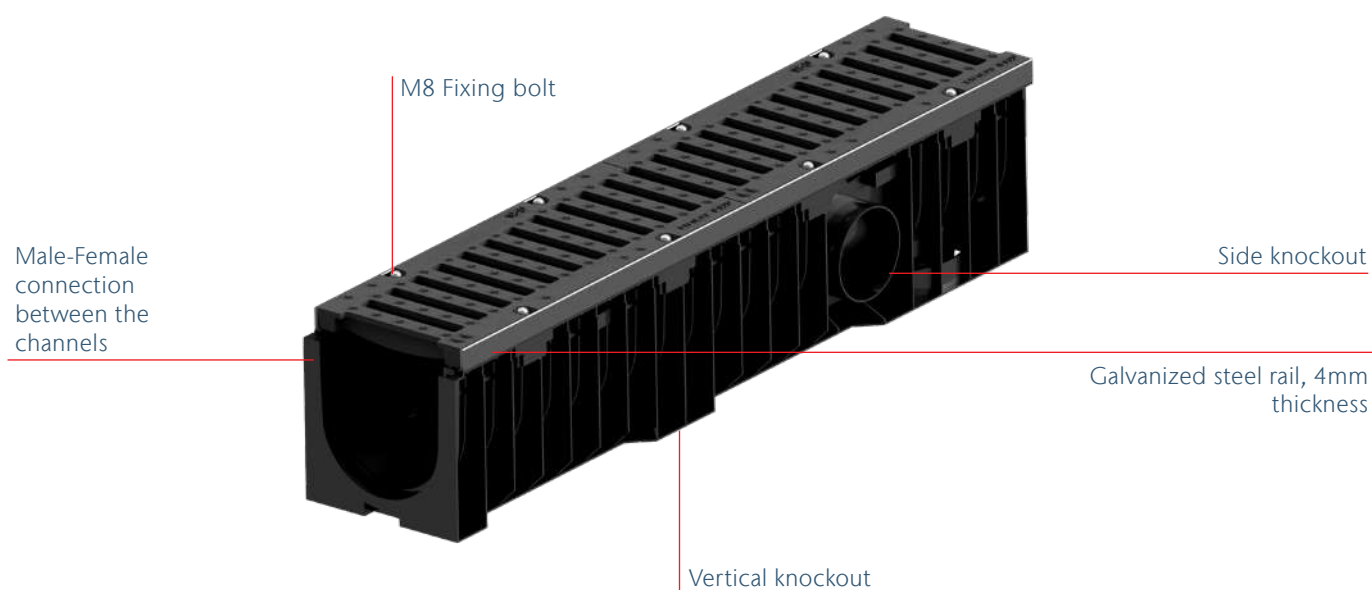
## Main Features

- HD-PE channel body certified for load class D 400 - F 900 according to EN 1433: 2008
- Galvanized steel rail
- 3 different nominal widths available: 100, 150, 200 mm
- With vertical and lateral knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H55 and H80 mm
- Sump unit with foul air trap\*
- 4 bolts fixing system for each grating
- Special pieces for corners, "T" couplings and cross couplings are available



Example of installation

## System overview



# Mufledrain Wing 100

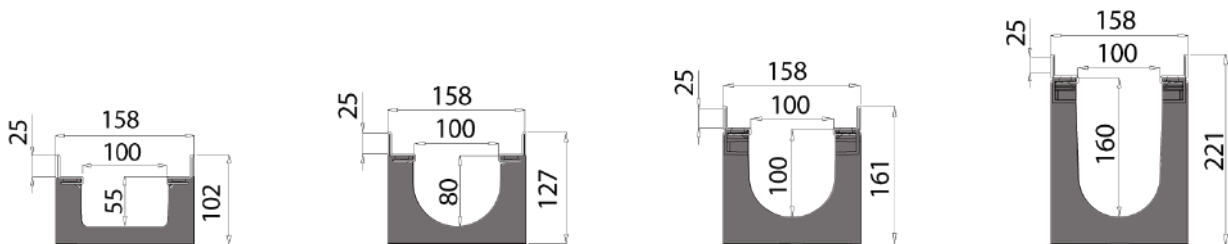
## Product Information

- HD-PE drainage channel, internal width: 100 mm
- Galvanized steel rail
- Load class D400, E600, F900 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channel H55 and H80 mm; knockout on all other sizes
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



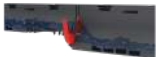
## Mufledrain Wing 100 channel with galvanized Steel rail

**Length 1000 mm, total width 158 mm**

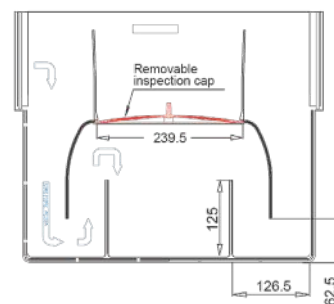
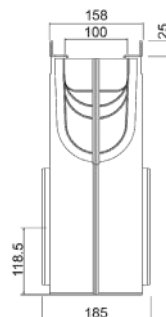
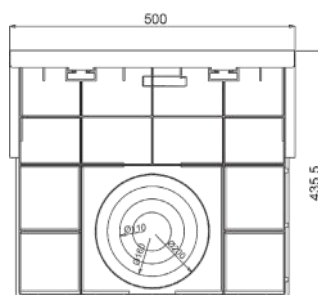


| Total height                                      | Internal height | Ø side outlet | Ø vertical outlet | Weight  | Pieces/pallet<br>(100X120) | Galvanized steel  |  |
|---------------------------------------------------|-----------------|---------------|-------------------|---------|----------------------------|-------------------|--|
| [mm]                                              | [mm]            | [mm]          | [mm]              | [kg/pc] |                            | Article<br>number |  |
| <b>Channel with vertical outlet kit Ø100/110</b>  |                 |               |                   |         |                            |                   |  |
| 102                                               | 55              | 2 x Ø40       | 1 x Ø100/110      | 3,90    | 84                         | 703003            |  |
| 127                                               | 80              | 2 x Ø63       | 1 x Ø100/110      | 4,10    | 70                         | 703002            |  |
| <b>Channel with vertical outlet knockout Ø110</b> |                 |               |                   |         |                            |                   |  |
| 161                                               | 100             | 2 x Ø63       | 1 x Ø110          | 4,40    | 56                         | 703001            |  |
| 221                                               | 160             | 2 x Ø110      | 1 x Ø110          | 4,90    | 42                         | 703000            |  |

## Mufledrain Wing 100 channel accessories

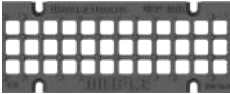
| Image                                                                             | Description                           | For channel internal height<br>[mm] | Material | Article number |
|-----------------------------------------------------------------------------------|---------------------------------------|-------------------------------------|----------|----------------|
|  | Closed end-cap                        | 55                                  | PE       | 700508         |
|                                                                                   |                                       | 80                                  | PE       | 700509         |
|                                                                                   |                                       | 100                                 | PE       | 700510         |
|                                                                                   |                                       | 160                                 | PE       | 700511         |
|  | Ø40 outlet end-cap                    | 55                                  | PE       | 700500         |
|                                                                                   | Ø50 outlet end-cap                    | 80                                  | PE       | 700521         |
|                                                                                   | Ø75 outlet end-cap                    | 100                                 | PE       | 700522         |
|                                                                                   |                                       | 160                                 | PE       | 700523         |
|  | Vertical outlet KIT Ø100              | 55/80                               | PE       | 506114         |
|                                                                                   | Vertical outlet KIT Ø110              | 55/80                               | PE       | 506115         |
|  | Step connectors from 100 mm to 160 mm | -                                   | Composit | 700516         |
|  | Bituminous sealant                    | -                                   | -        | 500345         |

## Mufledrain Wing 100 sump unit with galvanized steel rail



| Description                             | Material | Height<br>[mm] | Width<br>[mm] | Length<br>[mm] | Ø side outlet<br>[mm]      | Weight<br>[kg/pc] | Galvanized steel<br>Article number |
|-----------------------------------------|----------|----------------|---------------|----------------|----------------------------|-------------------|------------------------------------|
| Sump unit with female-female connection | PE       | 435,5          | 158           | 500            | 2xØ110<br>2xØ160<br>2xØ200 | 3,75              | 703016                             |

## Mufledrain Wing 100 channel gratings

| Image                                                                             | Description                  | Fixing system          | Width<br>[mm] | Length<br>[mm] | Slot/mesh<br>[mm] | Weight<br>[kg/pc] | Article number |
|-----------------------------------------------------------------------------------|------------------------------|------------------------|---------------|----------------|-------------------|-------------------|----------------|
| <b>D 400</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron square mesh     | M8 bolt (not included) | 148           | 498            | 22,5 x 22,5       | 4,80              | 503182         |
|  | Ductile iron slot 20         | M8 bolt (not included) | 148           | 498            | 82 x 20           | 4,75              | 503109         |
| <b>E 600</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron slot 20         | M8 bolt (not included) | 148           | 498            | 82 x 20           | 5,10              | 503110         |
|  | Ductile iron solid top cover | M8 bolt (not included) | 148           | 498            | -                 | 6,00              | 503105         |
| <b>F 900</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron slot 20         | M8 bolt (not included) | 148           | 498            | 82 x 20           | 6,30              | 503173         |

## Mufledrain Wing 100 grating accessories

| Description                         | Material         | Valid for                                | Article Number        |
|-------------------------------------|------------------|------------------------------------------|-----------------------|
| M8 x 40 Black flanged hex head bolt | Galvanized steel | Mufledrain Wing 100 ductile iron grating | 503312 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

# Mufledrain Wing 150

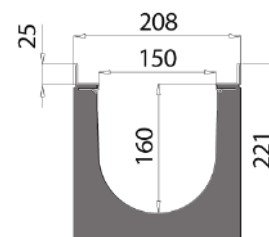
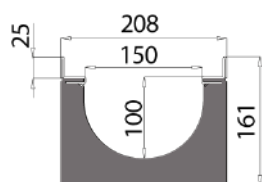
## Product Information

- HD-PE drainage channel, internal width: 100 mm
- Galvanized steel rail
- Load class D400, E600, F900 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



## Mufledrain Wing 150 channel with galvanized steel rail

Length 1000 mm, total width 208 mm

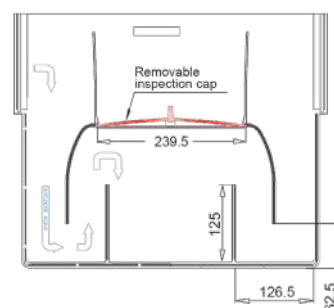
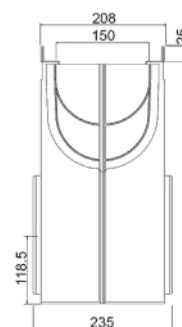
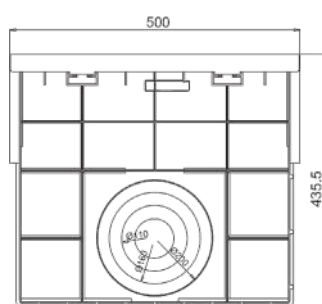


| Total height                             | Internal height | Ø side outlet | Ø vertical outlet | Weight  | Pieces/pallet<br>(100X120) | Galvanized steel  |  |
|------------------------------------------|-----------------|---------------|-------------------|---------|----------------------------|-------------------|--|
| [mm]                                     | [mm]            | [mm]          | [mm]              | [kg/pc] |                            | Article<br>number |  |
| <b>Channel with vertical outlet Ø110</b> |                 |               |                   |         |                            |                   |  |
| 161                                      | 100             | 2 x Ø63       | 1 x Ø110/160      | 4,80    | 40                         | 703005            |  |
| 221                                      | 160             | 2 x Ø100      | 1 x Ø110/160      | 5,35    | 30                         | 703004            |  |

## Mufledrain Wing 150 channel accessories

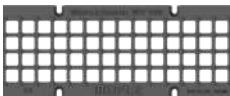
| Image                                                                             | Description                          | For channel internal height | Material | Article number |
|-----------------------------------------------------------------------------------|--------------------------------------|-----------------------------|----------|----------------|
|                                                                                   |                                      | [mm]                        |          |                |
|  | Closed end-cap                       | 100                         | PE       | 700512         |
|                                                                                   |                                      | 160                         | PE       | 700513         |
|  | Ø75 outlet end-cap                   | 100                         | PE       | 700524         |
|                                                                                   | Ø110 outlet end-cap                  | 160                         | PE       | 700505         |
|  | Step connectors from 100 mm a 160 mm | -                           | Composit | 700517         |
|  | Bituminous sealant                   | -                           | -        | 500345         |

## Mufledrain Wing 150 sump unit with galvanized steel rail



| Description                             | Material | Height | Width | Length | Ø side outlet              | Galvanized steel |        |
|-----------------------------------------|----------|--------|-------|--------|----------------------------|------------------|--------|
|                                         |          | [mm]   | [mm]  | [mm]   | [mm]                       | Article number   | Weight |
| Sump unit with female-female connection | PE       | 435,5  | 208   | 500    | 2xØ110<br>2xØ160<br>2xØ200 | 703017           | 4,00   |

## Mufledrain Wing 150 channel gratings

| Image                                                                             | Description                  | Fixing system          | Width<br>[mm] | Lenght<br>[mm] | Slot/mesh<br>[mm] | Weight<br>[kg/pc] | Article number |
|-----------------------------------------------------------------------------------|------------------------------|------------------------|---------------|----------------|-------------------|-------------------|----------------|
| <b>D 400</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron square mesh     | M8 bolt (not included) | 198           | 498            | 27 x 27           | 7,40              | 503183         |
|  | Ductile iron slot 20         | M8 bolt (not included) | 198           | 498            | 132 x 20          | 7,20              | 503112         |
| <b>E 600</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron slot 20         | M8 bolt (not included) | 198           | 498            | 132 x 20          | 7,50              | 503113         |
|  | Ductile iron solid top cover | M8 bolt (not included) | 198           | 498            | -                 | 10,60             | 503106         |
| <b>F 900</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron slot 20         | M8 bolt (not included) | 198           | 498            | 132 x 20          | 8,50              | 503174         |

## Mufledrain Wing 150 grating accessories

| Description                         | Material         | Valid for                                | Article number        |
|-------------------------------------|------------------|------------------------------------------|-----------------------|
| M8 x 40 black flanged hex head bolt | Galvanized steel | Mufledrain Wing 150 ductile iron grating | 503312 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

# Mufledrain Wing 200

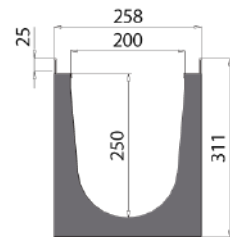
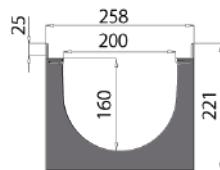
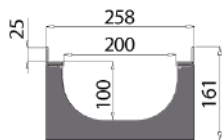
## Product Information

- HD-PE drainage channel, internal width: 200 mm
- Galvanized steel rail
- Load class D400, E600, F900 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



## Mufledrain Wing 200 channel with galvanized steel rail

Length 1000 mm, total width 258 mm

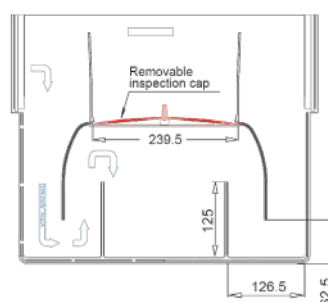
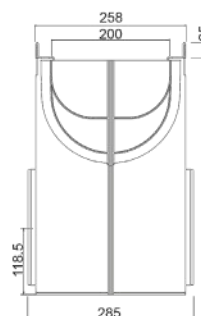
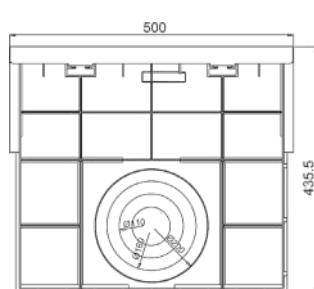


| Total height                                 | Internal height | Ø side outlet | Ø vertical outlet | Weight  | Pieces/pallet (100X120) | Galvanized steel |  |
|----------------------------------------------|-----------------|---------------|-------------------|---------|-------------------------|------------------|--|
| [mm]                                         | [mm]            | [mm]          | [mm]              | [kg/pz] |                         | Article number   |  |
| <b>Channel with vertical outlet Ø200/160</b> |                 |               |                   |         |                         |                  |  |
| 161                                          | 100             | 2 x Ø63       | 1 x Ø200/160      | 5,15    | 32                      | 703007           |  |
| 221                                          | 160             | 2 x Ø110      | 1 x Ø200/160      | 5,75    | 24                      | 703006           |  |
| 311                                          | 250             | 2 x Ø160/200  | 1 x Ø200/160      | 7,50    | 16                      | 503025           |  |

## Mufledrain Wing 200 channel accessories

| Image                                                                              | Description                           | For channel internal height<br>[mm] | Material | Article number |
|------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------|----------|----------------|
|   | Closed end-cap                        | 100                                 | PE       | 700514         |
|                                                                                    |                                       | 160                                 | PE       | 700515         |
|   | Ø75 outlet end-cap                    | 100                                 | PE       | 700526         |
|                                                                                    | Ø110 outlet end-cap                   | 160                                 | PE       | 700507         |
|   | Closed end-cap with Ø160 knockout     | 250                                 | PE       | 502416         |
|   | Step connectors from 100 mm to 160 mm | -                                   | Composit | 700519         |
|                                                                                    | Step connectors from 160 mm to 250 mm | -                                   | Composit | 700518         |
|  | Bituminous sealant                    | -                                   | -        | 500345         |

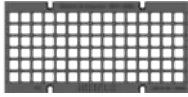
## Mufledrain Wing 200 sump unit with galvanized steel rail



| Description                             | Material | Height<br>[mm] | Width<br>[mm] | Length<br>[mm] | Ø side outlet<br>[mm]      | Weight<br>[kg/pc] | Galvanized steel<br>Article number |
|-----------------------------------------|----------|----------------|---------------|----------------|----------------------------|-------------------|------------------------------------|
| Sump unit with female-female connection | PE       | 435,5          | 258           | 500            | 2xØ110<br>2xØ160<br>2xØ200 | 4,20              | 703018 <sup>(1)</sup>              |

<sup>(1)</sup>It is not designed for connection to H250 channels

## Mufledrain Wing 200 channel gratings

| Image                                                                             | Description                  | Fixing system          | Width<br>[mm] | Length<br>[mm] | Slot/mesh<br>[mm] | Weight<br>[kg/pc] | Article number |
|-----------------------------------------------------------------------------------|------------------------------|------------------------|---------------|----------------|-------------------|-------------------|----------------|
| <b>D 400</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron square mesh     | M8 bolt (not included) | 248           | 498            | 24 x 25           | 8,60              | 503184         |
|  | Ductile iron slot 20         | M8 bolt (not included) | 248           | 498            | 182 x 20          | 8,20              | 503115         |
| <b>E 600</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron slot 20         | M8 bolt (not included) | 248           | 498            | 182 x 20          | 9,70              | 503116         |
|  | Ductile iron solid top cover | M8 bolt (not included) | 248           | 498            | -                 | 12,00             | 503107         |
| <b>F 900</b>                                                                      |                              |                        |               |                |                   |                   |                |
|  | Ductile iron slot 20         | M8 bolt (not included) | 248           | 498            | 182 x 20          | 10,50             | 503175         |

## Mufledrain Wing 200 grating accessories

| Description                         | Material         | Valid for                                | Article number        |
|-------------------------------------|------------------|------------------------------------------|-----------------------|
| M8 x 40 Black flanged hex head bolt | Galvanized steel | Mufledrain Wing 200 ductile iron grating | 503312 <sup>(1)</sup> |

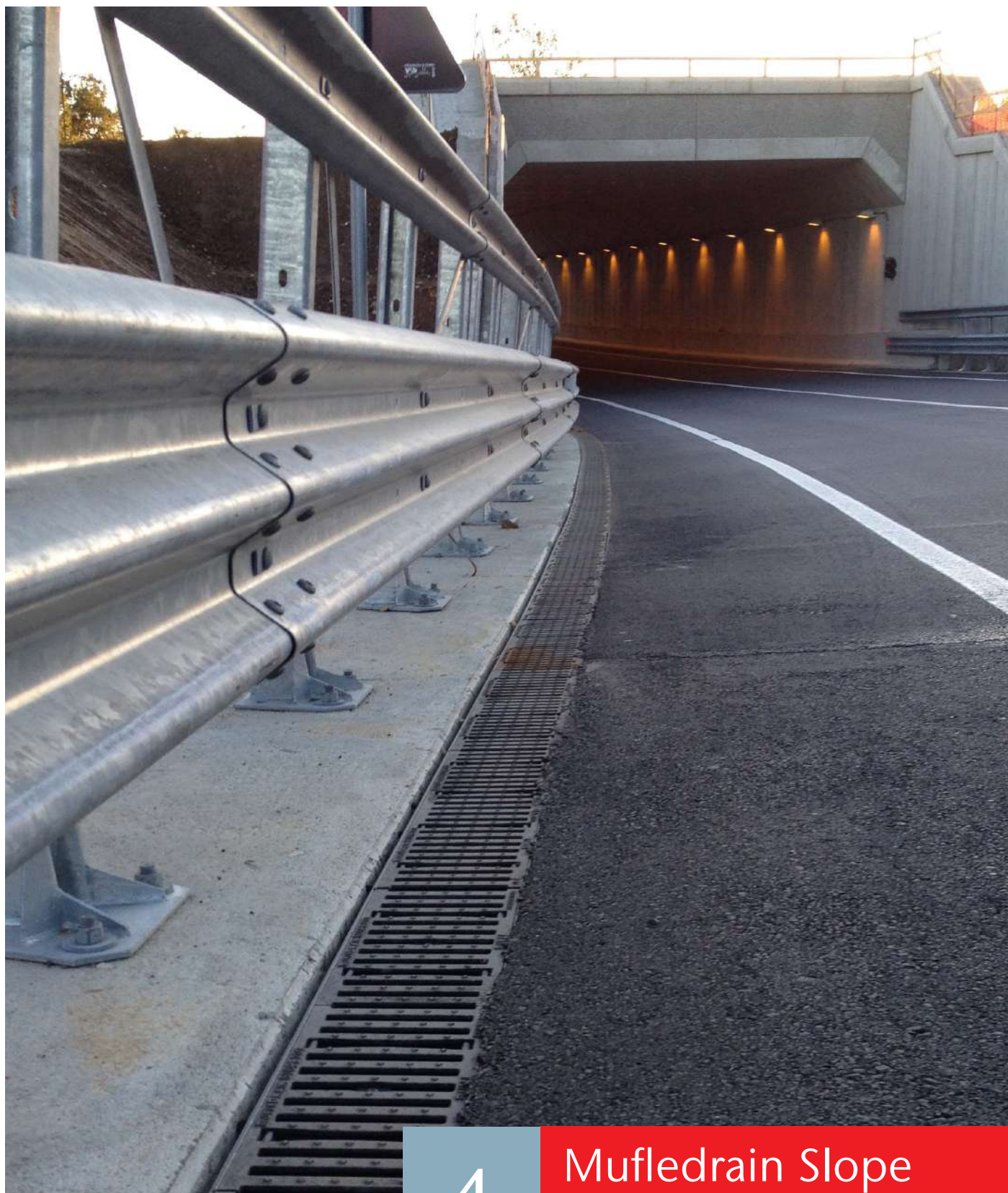
<sup>(1)</sup>Valid for 1 meter of channel

## Notes

[illegible]



Declaration of performance:  
**[www.mufle.com](http://www.mufle.com)**



# 4

## Mufledrain Slope

Rainwater drainage systems

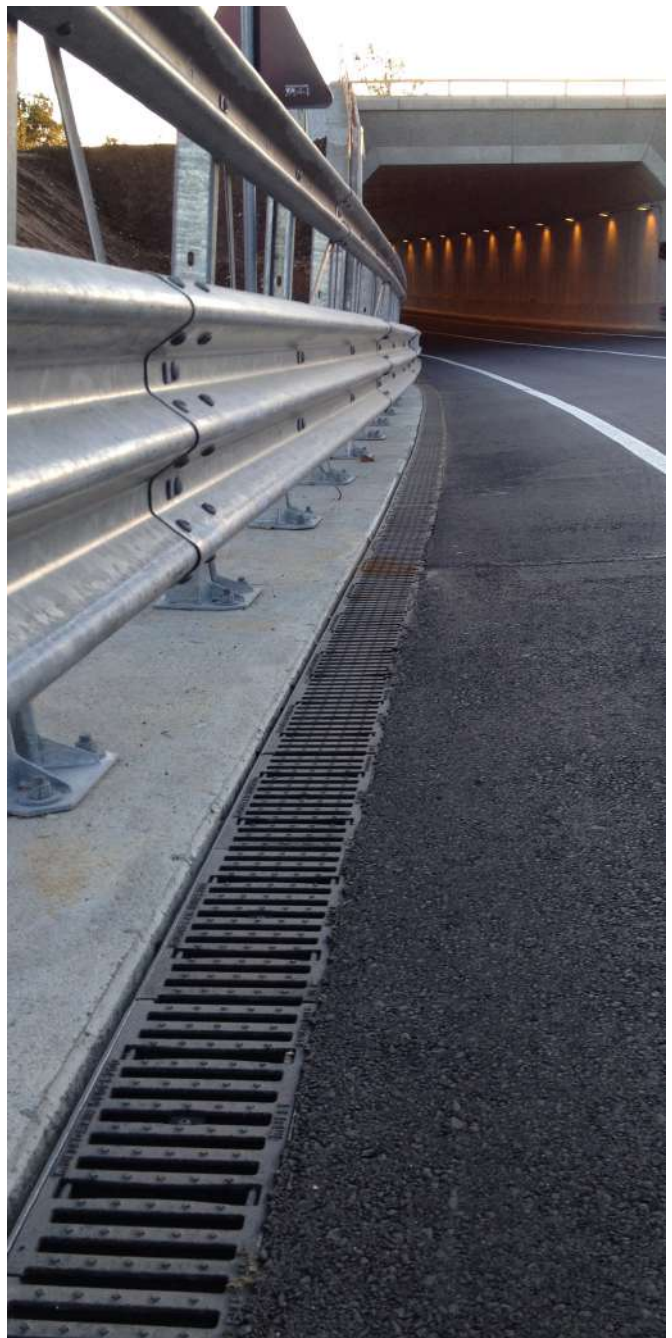
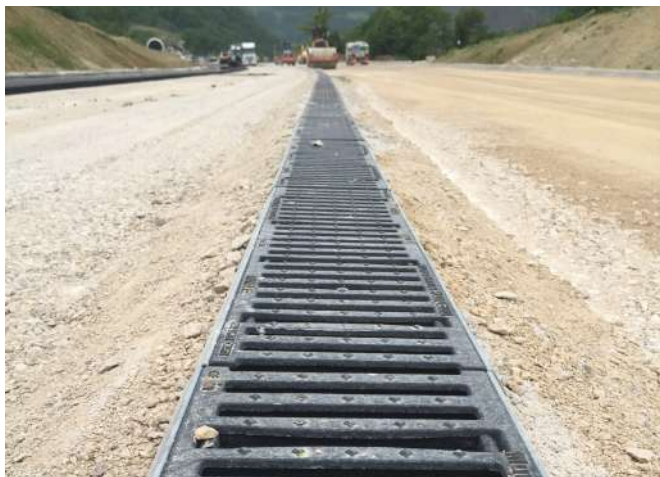
# Mufledrain Slope: highways drainage system management of surface water

Effective management of surface water for all highways and trunk roads is essential for safe use by both vehicles and pedestrians. MUFLE understands these demanding operational challenges and the importance of delivering high-performance surface water management systems.

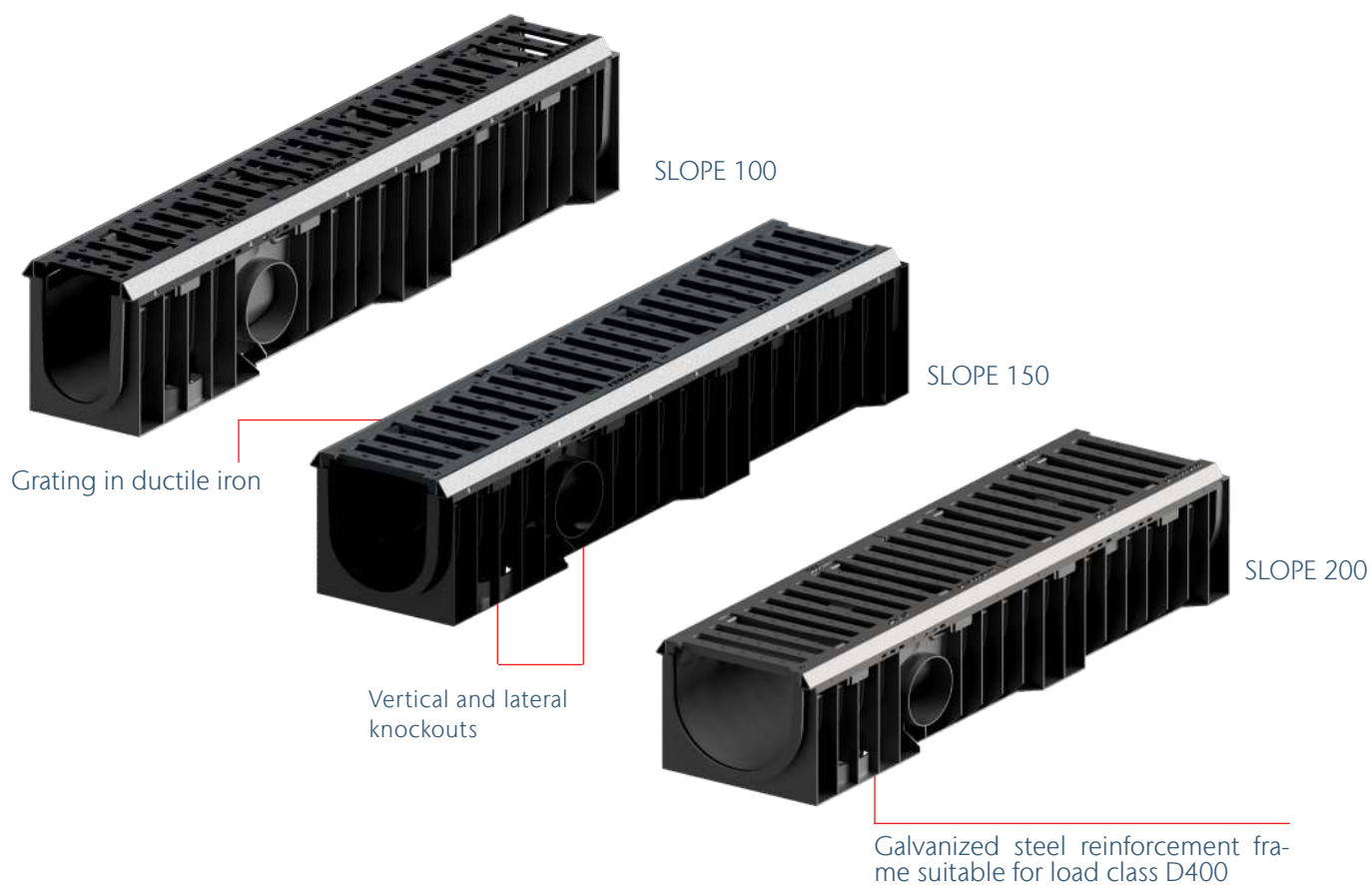
MUFLE provides with SLOPE channel of highways-specific drainage solutions that support essential road drainage infrastructure in highways, trunk roads, urban roads, footpaths and highways conservation.

## Main features

- The channel body is completely made of HD-PE, certified for load class D400 according to EN 1433: 2002
- Galvanized steel rail are standard for this product (stainless steel on request)
- Available in two different nominal widths: 100, 150 and 200 mm
- With vertical and lateral knockouts
- Vertical outlet Ø200 and Ø160 mm
- Sump unit available
- Fast fixing systems with 4 hook lock each grating.



## System overview



## Typical applications

- Highways
- Roads
- Installation in asphalt paving

# Mufledrain Slope 100

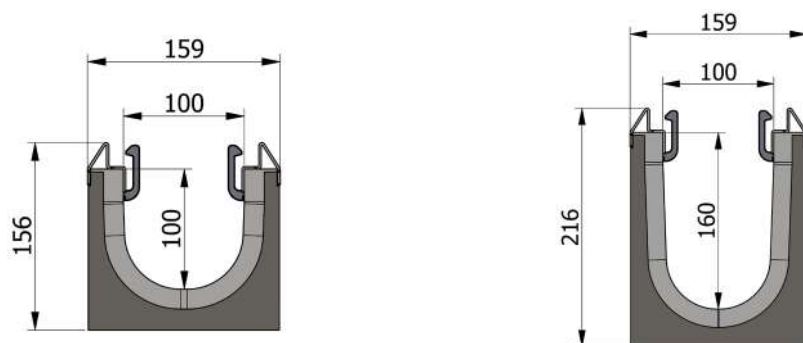
## Product information

- HD-PE drainage channel, internal width: 100 mm
- Galvanized steel
- Load class D400, according to EN 1433
- Sump unit
- Side and vertical knockouts
- Hook lock fixing system for gratings



## Mufledrain Slope 100 channel **combined with** grating

Length 1000 mm, total width 159 mm



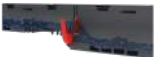
## Mufledrain Slope **100/100** channel combined with grating

| Image                                                                              | Description             | Fixing System | Width<br>[mm] | Length<br>[mm] | Slot/Mesh<br>[mm] | Weight<br>[kg/pc] | Article number |
|------------------------------------------------------------------------------------|-------------------------|---------------|---------------|----------------|-------------------|-------------------|----------------|
| <b>D 400</b>                                                                       |                         |               |               |                |                   |                   |                |
|  | Ductile iron 20 mm Slot | Hook lock     | 125           | 500            | 20                | 10,70             | 809503         |

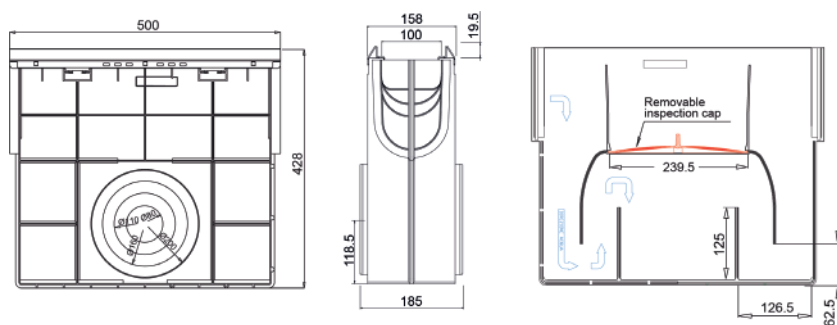
## Mufledrain Slope **100/160** channel combined with grating

| Image                                                                              | Description             | Fixing System | Width<br>[mm] | Length<br>[mm] | Slot/Mesh<br>[mm] | Weight<br>[kg/pc] | Article number |
|------------------------------------------------------------------------------------|-------------------------|---------------|---------------|----------------|-------------------|-------------------|----------------|
| <b>D 400</b>                                                                       |                         |               |               |                |                   |                   |                |
|  | Ductile iron 20 mm Slot | Hook lock     | 125           | 500            | 20                | 11,20             | 809501         |

## Mufledrain Slope 100 channel accessories

| Image                                                                             | Description                           | For channel internal height<br>[mm] | Material | Article number |
|-----------------------------------------------------------------------------------|---------------------------------------|-------------------------------------|----------|----------------|
|  | Closed end-cap                        | 100                                 | PE       | 700510         |
|                                                                                   |                                       | 160                                 | PE       | 700511         |
|  | Ø75 outlet end-cap                    | 100                                 | PE       | 700522         |
|                                                                                   |                                       | 160                                 | PE       | 700523         |
|  | Step connectors from 100 mm to 160 mm | -                                   | Composit | 700516         |
|  | Bituminous sealant                    | -                                   | -        | 500345         |

## Mufledrain Slope 100 sump unit with galvanized steel rail



| Description                             | Material | Height<br>[mm] | Width<br>[mm] | Length<br>[mm] | Ø side outlet<br>[mm]      | Weight<br>[kg/pc] | Galvanized steel<br>Article number |
|-----------------------------------------|----------|----------------|---------------|----------------|----------------------------|-------------------|------------------------------------|
| Sump unit with female-female connection | PE       | 435,5          | 158           | 500            | 2xØ110<br>2xØ160<br>2xØ200 | 7,00              | 709043                             |

# Mufledrain Slope 150

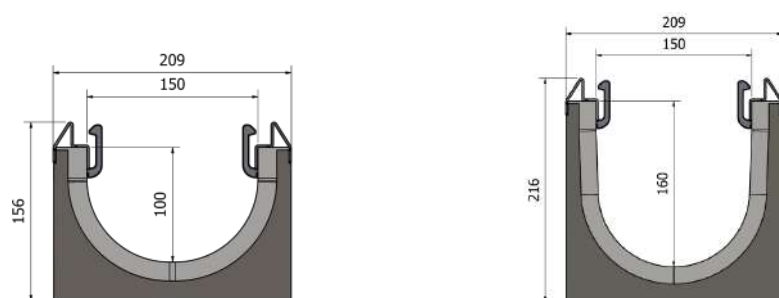
## Product information

- HD-PE drainage channel, internal width: 150 mm
- Galvanized steel
- Load class D400, according to EN 1433
- Sump unit
- Side and vertical knockouts
- Hook lock fixing system for gratings



## Mufledrain Slope 150 channel **combined with** grating

Length 1000 mm, total width 209 mm



## Mufledrain Slope **150/100** channel combined with grating

| Image | Description | Fixing System | Width | Length | Slot/Mesh | Weight  | Article number |
|-------|-------------|---------------|-------|--------|-----------|---------|----------------|
|       |             |               | [mm]  | [mm]   | [mm]      | [kg/pc] |                |

### D 400



Ductile iron 20 mm Slot

Hook lock

175

500

20

14,50

809S11

## Mufledrain Slope **150/160** channel combined with grating

| Image | Description | Fixing System | Width | Length | Slot/Mesh | Weight  | Article number |
|-------|-------------|---------------|-------|--------|-----------|---------|----------------|
|       |             |               | [mm]  | [mm]   | [mm]      | [kg/pc] |                |

### D 400



Ductile iron 20 mm Slot

Hook lock

175

500

20

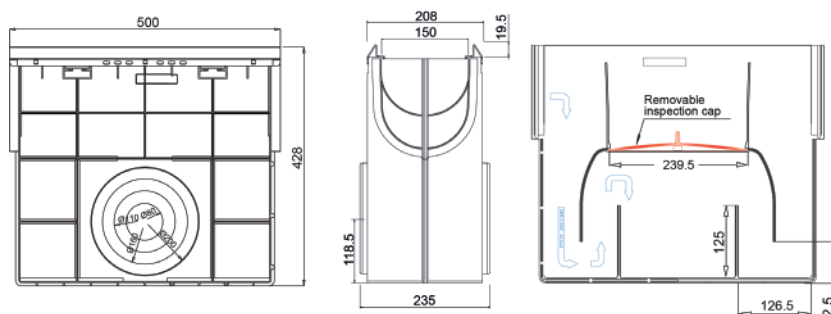
15,05

809S09

## Mufledrain Slope 150 channel accessories

| Image                                                                             | Description                          | For channel internal height<br>[mm] | Material | Article number |
|-----------------------------------------------------------------------------------|--------------------------------------|-------------------------------------|----------|----------------|
|  | Closed end-cap                       | 100                                 | PE       | 700512         |
|                                                                                   |                                      | 160                                 | PE       | 700513         |
|  | Ø75 outlet end-cap                   | 100                                 | PE       | 700524         |
|                                                                                   | Ø110 outlet end-cap                  | 160                                 | PE       | 700505         |
|  | Step connectors from 100 mm a 160 mm | -                                   | Composit | 700517         |
|  | Bituminous sealant                   | -                                   | -        | 500345         |

## Mufledrain Slope 150 sump unit with galvanized steel rail



| Description                             | Material | Height<br>[mm] | Width<br>[mm] | Length<br>[mm] | Ø side outlet<br>[mm]      | Weight<br>[kg/pc] | Galvanized steel         |
|-----------------------------------------|----------|----------------|---------------|----------------|----------------------------|-------------------|--------------------------|
| Sump unit with female-female connection | PE       | 435,5          | 208           | 500            | 2xØ110<br>2xØ160<br>2xØ200 | 9,00              | Article number<br>709044 |

# Mufledrain Slope 200

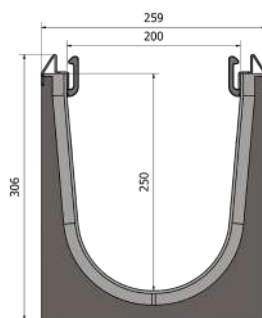
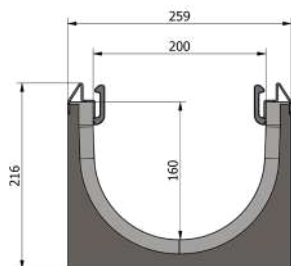
## Product information

- HD-PE drainage channel, internal width: 200 mm
- Galvanized steel rail
- Load class D400, according to EN 1433
- Side and vertical knockouts
- Hook lock fixing system for gratings



## Mufledrain Slope 200 channel **combined with** grating

Length 1000 mm, total width 259 mm



## Mufledrain Slope **200/160** channel combined with grating

| Image | Description | Fixing System | Width | Length | Slot/Mesh | Weight  | Article number |
|-------|-------------|---------------|-------|--------|-----------|---------|----------------|
|       |             |               | [mm]  | [mm]   | [mm]      | [kg/pc] |                |

### D 400



Ductile iron 20 mm Slot

Hook lock

225

500

20

19,25

809513

## Mufledrain Slope **200/250** channel combined with grating

| Image | Description | Fixing System | Width | Length | Slot/Mesh | Weight  | Article number |
|-------|-------------|---------------|-------|--------|-----------|---------|----------------|
|       |             |               | [mm]  | [mm]   | [mm]      | [kg/pc] |                |

### D 400



Ductile iron 20 mm Slot

Hook lock

225

500

20

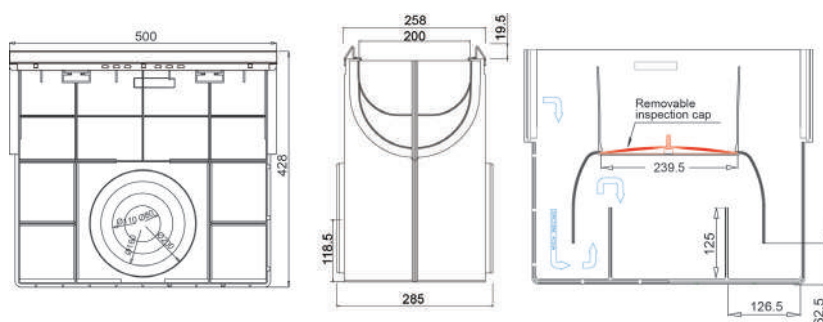
20,70

809517

## Mufledrain Slope 200 channel accessories

| Image                                                                               | Description                           | For channel internal height<br>[mm] | Material | Article number |
|-------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------|----------|----------------|
|    | Closed end-cap                        | 160                                 | PE       | 700515         |
|    | Ø110 outlet end-cap                   | 160                                 | PE       | 700507         |
|    | Closed end-cap with Ø160 knockout     | 250                                 | PE       | 502416         |
|    | Step connectors from 200 mm to 250 mm | -                                   | Composit | 700518         |
|  | Bituminous sealant                    | -                                   | -        | 500345         |

## Mufledrain Slope 200 sump unit with galvanized steel rail



| Description                             | Material | Height<br>[mm] | Width<br>[mm] | Length<br>[mm] | Ø side outlet<br>[mm]      | Weight<br>[kg/pc] | Galvanized steel |
|-----------------------------------------|----------|----------------|---------------|----------------|----------------------------|-------------------|------------------|
| Sump unit with female-female connection | PE       | 435,5          | 258           | 500            | 2xØ110<br>2xØ160<br>2xØ200 | 11,30             | 709045           |

<sup>1)</sup>It is not designed for connection to H250 channels



Declaration of performance:  
**[www.mufle.com](http://www.mufle.com)**



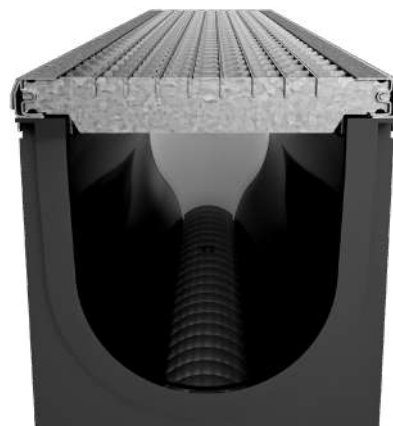
5

Mufledrain Smart  
Rainwater drainage systems

# Mufledrain Smart: steel rail safety

The **Mufledrain Smart** drainage system represents the perfect answer for the civil, industrial and infrastructural application needs. The versatility of these channels is a consequence of its steel rail (galvanized or stainless steel), necessary to improve the load distribution coming from the pavement surface or from underground forces. At the same time, it is the perfect protection for the complete system from all the forces coming from the surrounding areas.

The 2,5mm rail thickness in the traffic exposure area and 1,2 mm thickness in the grating support area, grants a C250 load class certification. The fixing system consists of 2 bars and bolts per each single meter.



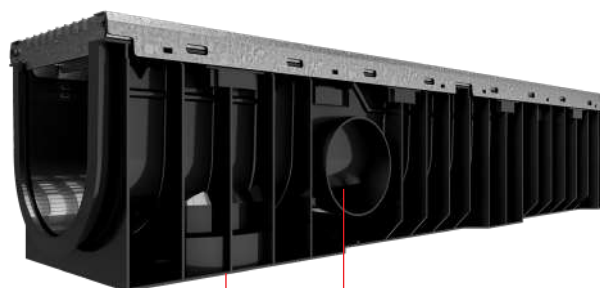
The steel rail is 20 mm high and 2.5 mm thick in the area exposed to vehicle transit. It holds the gratings and helps in an easy installation of the channel system.

## Typical applications

- Private parking
- Sidewalks
- Access to ramps in underground floors
- Roadside drainage systems
- Parking areas
- Other applications for load class C250

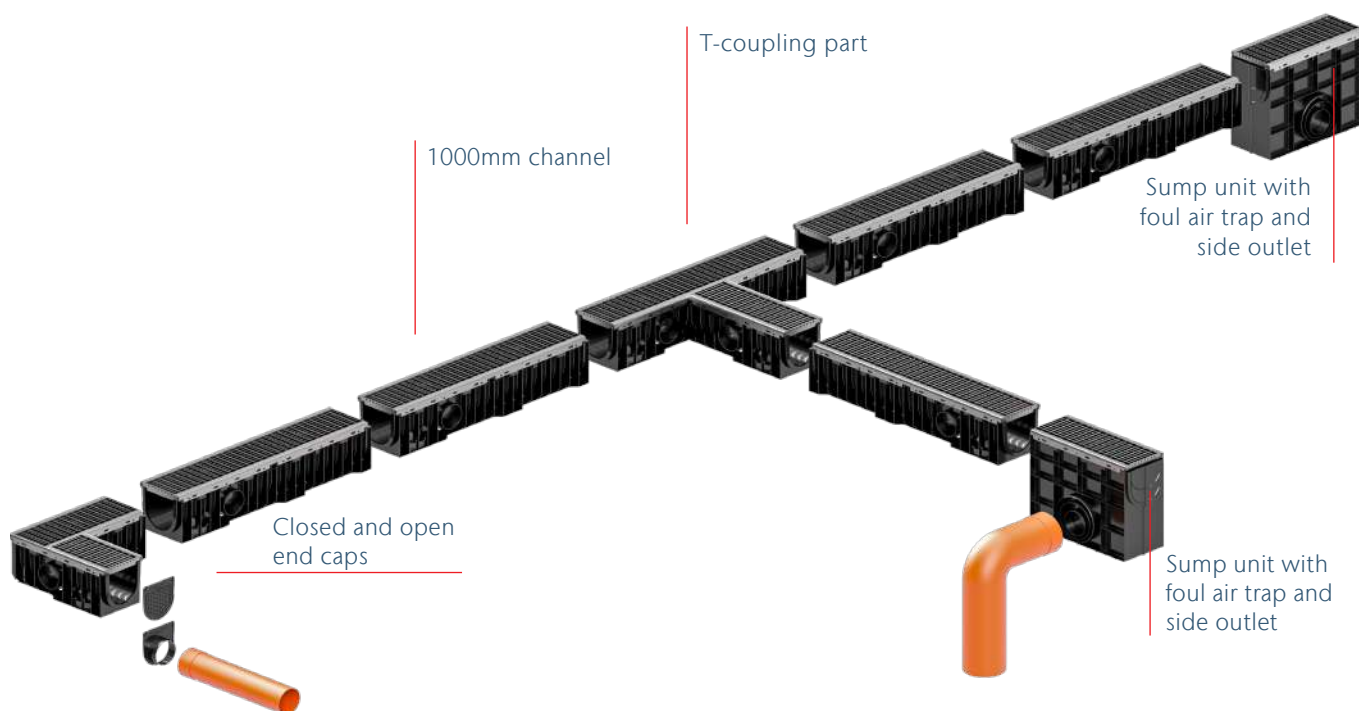
## Main features

- The channel body is completely made of HD-PE certified for load class A15, B125 and C250 according to EN 1433: 2008
- Galvanized steel and stainless steel rail are standard for this product
- Available in three different nominal widths: 100, 150, 200 mm
- With vertical and lateral knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H55 and H80 mm
- Sump unit with foul air trap
- Special pieces for corners, "T" couplings and cross couplings are available



Vertical and lateral knockouts

## System overview



**Mufledrain Smart** is available:

- With three different widths: from 100, 150 and 200 mm
- With two low height versions 55 mm and 80 mm for the channel internal width 100 mm.



# Mufledrain Smart 100

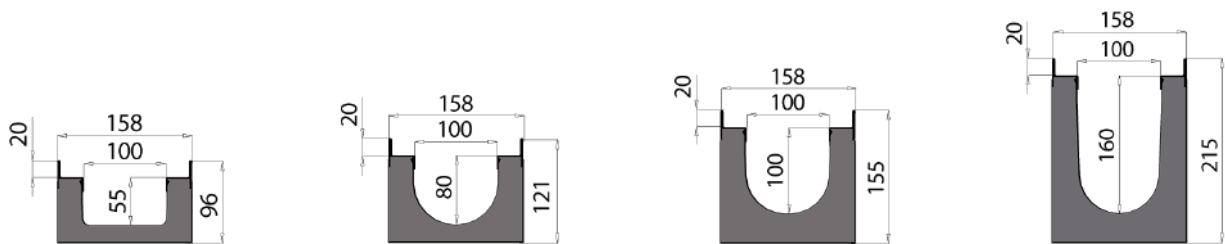
## Product information

- HD-PE drainage channel, internal width: 100 mm
- Galvanized steel and stainless steel rail
- Load class A15, B125, C250 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channel H55 and H80 mm; knockout on all other sizes
- Bars and bolts fixing system
- Special parts for corners, T-couplings and cross-couplings are available on request



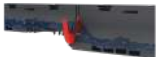
## Mufledrain Smart 100 channel with galvanized and stainless steel rail

**Length 1000 mm, total width 158 mm**

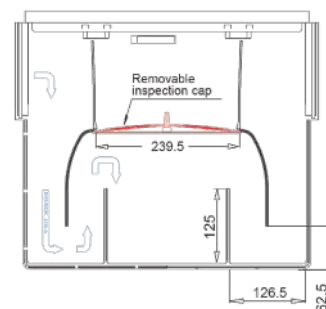
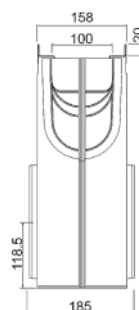
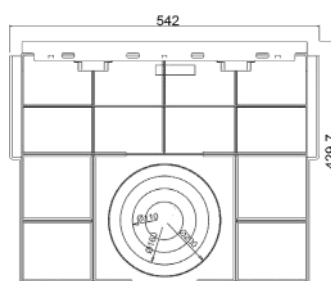


| Total height                              | Internal height | Ø side outlet | Ø vertical outlet | Weight  | Pieces/pallet (100X120) | Stainless steel |         | Galvanized steel |  |
|-------------------------------------------|-----------------|---------------|-------------------|---------|-------------------------|-----------------|---------|------------------|--|
|                                           |                 |               |                   |         |                         | Article number  | Euro/pc | Article number   |  |
| [mm]                                      | [mm]            | [mm]          | [mm]              | [kg/pc] |                         |                 |         |                  |  |
| Channel with vertical outlet kit Ø100/110 |                 |               |                   |         |                         |                 |         |                  |  |
| 96                                        | 55              | 2 x Ø40       | 1 x Ø100/110      | 3,10    | 84                      | 701011          | 33,10   | 701003           |  |
| 121                                       | 80              | 2 x Ø63       | 1 x Ø100/110      | 3,30    | 70                      | 701010          | 34,25   | 701002           |  |
| Channel with vertical outlet Ø110         |                 |               |                   |         |                         |                 |         |                  |  |
| 155                                       | 100             | 2 x Ø63       | 1 x Ø110          | 3,60    | 56                      | 701009          | 35,80   | 701001           |  |
| 215                                       | 160             | 2 x Ø110      | 1 x Ø110          | 4,10    | 42                      | 701008          | 37,25   | 701000           |  |

## Mufledrain Smart 100 channel accessories

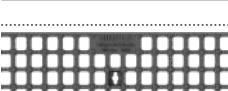
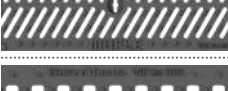
| Image                                                                             | Description                           | For channel<br>internal height<br>[mm] | Material | Article<br>number |
|-----------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|----------|-------------------|
|  | Closed end-cap                        | 55                                     | PE       | 700508            |
|                                                                                   |                                       | 80                                     | PE       | 700509            |
|                                                                                   |                                       | 100                                    | PE       | 700510            |
|                                                                                   |                                       | 160                                    | PE       | 700511            |
|  | Ø40 outlet end-cap                    | 55                                     | PE       | 700500            |
|                                                                                   | Ø50 outlet end-cap                    | 80                                     | PE       | 700521            |
|                                                                                   | Ø75 outlet end-cap                    | 100                                    | PE       | 700522            |
|                                                                                   |                                       | 160                                    | PE       | 700523            |
|  | KIT Ø100 vertical outlet              | 55/80                                  | PE       | 506114            |
|                                                                                   | KIT Ø110 vertical outlet              | 55/80                                  | PE       | 506115            |
|  | Step connectors from 100 mm to 160 mm | -                                      | Composit | 700516            |
|  | Bituminous sealant                    | -                                      | -        | 500345            |

## Mufledrain Smart 100 sump unit with galvanized/stainless steel rail



| Description                             | Material | Height | Width | Length | Ø Side<br>Outlet           | Weight  | Stainless Steel   |  | Galvanized Steel  |  |
|-----------------------------------------|----------|--------|-------|--------|----------------------------|---------|-------------------|--|-------------------|--|
|                                         |          | [mm]   | [mm]  | [mm]   | [mm]                       | [kg/pz] | Article<br>number |  | Article<br>number |  |
| Sump unit with female-female connection | PE       | 429,7  | 158   | 500    | 2xØ110<br>2xØ160<br>2xØ200 | 3,35    | 701019            |  | 701016            |  |

## Mufledrain Smart 100 channel gratings

| Image                                                                              | Description                     | Fixing system                  | Width<br>[mm] | Length<br>[mm] | Slot/mesh<br>[mm] | Weight<br>[kg/pc] | Article<br>number |
|------------------------------------------------------------------------------------|---------------------------------|--------------------------------|---------------|----------------|-------------------|-------------------|-------------------|
| <b>A 15</b>                                                                        |                                 |                                |               |                |                   |                   |                   |
|    | Galvanized steel slot           | Bolt and bar<br>(not included) | 148           | 998            | 83 x 8,5          | 1,60              | 502128            |
|    | Stainless steel slot            | Bolt and bar<br>(not included) | 148           | 998            | 83 x 8,5          | 1,60              | 502129            |
| <b>B 125</b>                                                                       |                                 |                                |               |                |                   |                   |                   |
|    | Galvanized steel heel safe mesh | Bolt and bar<br>(not included) | 148           | 998            | 33 x 15           | 3,60              | 502126            |
|    | Stainless steel heel safe mesh  | Bolt and bar<br>(not included) | 148           | 998            | 33 x 15           | 3,60              | 502150            |
|    | Galvanized steel square mesh    | Bolt and bar<br>(not included) | 148           | 998            | 32,2 x 32,2       | 2,65              | 502127            |
|    | Stainless steel square mesh     | Bolt and bar<br>(not included) | 148           | 998            | 32,2 x 32,2       | 2,65              | 502157            |
|    | Ductile iron mesh               | Bolt and bar<br>(not included) | 148           | 498            | 21,5 x 17,5       | 3,40              | 502112            |
|   | Polyamide 16 mm slot            | Bolt and bar<br>(not included) | 148           | 498            | 82 x 16           | 0,80              | 502307            |
| <b>C 250</b>                                                                       |                                 |                                |               |                |                   |                   |                   |
|  | Galvanized steel heel safe mesh | Bolt and bar<br>(not included) | 148           | 998            | 33 x 15           | 4,50              | 502152            |
|  | Stainless steel heel safe mesh  | Bolt and bar<br>(not included) | 148           | 998            | 33 x 15           | 4,50              | 502175            |
|  | Ductile iron mesh               | Bolt and bar<br>(not included) | 148           | 498            | 21,5 x 17,5       | 3,80              | 502115            |
|  | Ductile iron 7 mm slot          | Bolt and bar<br>(not included) | 148           | 498            | 57 x 7            | 4,20              | 502105            |
|  | Ductile iron 20 mm slot         | Bolt and bar<br>(not included) | 148           | 498            | 82 x 20           | 3,60              | 502113            |
|  | Polyamide 16 mm slot            | Bolt and bar<br>(not included) | 148           | 498            | 82 x 16           | 1,30              | 502308            |

## Mufledrain Smart 100 grating accessories

| Image                                                                               | Description                                      | Material         | Valid for                                         | Article<br>number     |
|-------------------------------------------------------------------------------------|--------------------------------------------------|------------------|---------------------------------------------------|-----------------------|
|  | Bolt and bar kit + M8x40<br>TBL combi screw      | Galvanized steel | Mufledrain Smart 100<br>galvanized steel gratings | 500421 <sup>(1)</sup> |
|                                                                                     |                                                  | Stainless steel  | Mufledrain Smart 100<br>stainless steel gratings  | 500422 <sup>(1)</sup> |
|  | Bolt and bar kit + M8x40<br>black hex head screw | Galvanized steel | Mufledrain Smart 100<br>ductile iron gratings     | 500423 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

# Mufledrain Smart 150

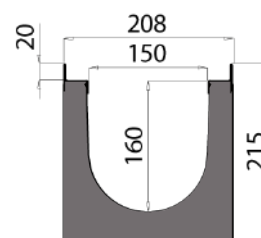
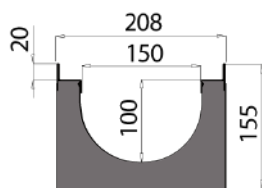
## Product information

- HD-PE drainage channel, internal width: 150 mm
- Galvanized steel and stainless steel rail
- Load class A15, B125, C250 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Bars and bolts fixing system
- Special parts for corners, T-couplings and cross-couplings are available on request



## Mufledrain Smart 150 channel with galvanized/stainless steel rail

Length 1000 mm, total width 208 mm

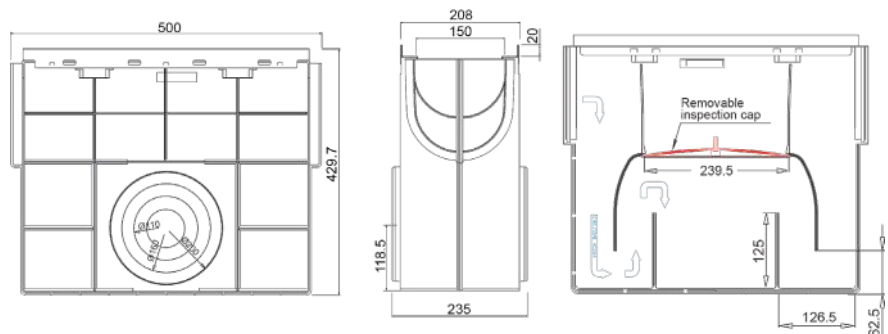


| Total height                                 | Internal height | Ø side outlet | Ø vertical outlet | Weight  | Pieces/pallet (100X120) | Stainless steel |  | Galvanized steel |  |
|----------------------------------------------|-----------------|---------------|-------------------|---------|-------------------------|-----------------|--|------------------|--|
| [mm]                                         | [mm]            | [mm]          | [mm]              | [kg/pc] |                         | Article number  |  | Article number   |  |
| <b>Channel with vertical outlet Ø110/160</b> |                 |               |                   |         |                         |                 |  |                  |  |
| 155                                          | 100             | 2 x Ø63       | 1 x Ø110/160      | 4,30    | 40                      | 701013          |  | 701005           |  |
| 215                                          | 160             | 2 x Ø110      | 1 x Ø110/160      | 4,85    | 30                      | 701012          |  | 701004           |  |

## Mufledrain Smart 150 channel accessories

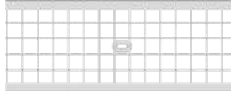
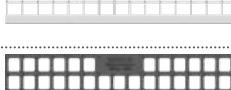
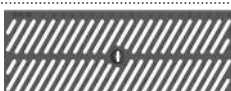
| Image                                                                             | Description                           | For channel<br>internal height<br>[mm] | Material | Article<br>number |
|-----------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|----------|-------------------|
|  | Closed end-cap                        | 100                                    | PE       | 700512            |
|                                                                                   |                                       | 160                                    | PE       | 700513            |
|  | Ø75 outlet end-cap                    | 100                                    | PE       | 700524            |
|                                                                                   | Ø110 outlet end-cap                   | 160                                    | PE       | 700505            |
|  | Step connectors from 100 mm to 160 mm | -                                      | Composit | 700517            |
|  | Bituminous sealant                    | -                                      | -        | 500345            |

## Mufledrain Smart 150 sump unit with galvanized/stainless steel rail



| Description                             | Material | Height | Width | Length | Ø Side<br>Outlet           | Weight  | Stainless Steel   |  | Galvanized Steel  |  |
|-----------------------------------------|----------|--------|-------|--------|----------------------------|---------|-------------------|--|-------------------|--|
|                                         |          | [mm]   | [mm]  | [mm]   | [mm]                       | [kg/pc] | Article<br>number |  | Article<br>number |  |
| Sump unit with female-female connection | PE       | 429,7  | 208   | 500    | 2xØ110<br>2xØ160<br>2xØ200 | 3,70    | 701020            |  | 701017            |  |

## Mufledrain Smart 150 channel gratings

| Image                                                                              | Description                     | Fixing System                  | Width<br>[mm] | Length<br>[mm] | Slot/Mesh<br>[mm] | Weight<br>[kg/pc] | Article<br>number |
|------------------------------------------------------------------------------------|---------------------------------|--------------------------------|---------------|----------------|-------------------|-------------------|-------------------|
| <b>A 15</b>                                                                        |                                 |                                |               |                |                   |                   |                   |
|    | Galvanized steel slot           | Bolt and bar<br>(not included) | 148           | 998            | 83 x 8,5          | 3,20              | 502132            |
|    | Stainless steel slot            | Bolt and bar<br>(not included) | 148           | 998            | 83 x 8,5          | 3,20              | 502133            |
| <b>B 125</b>                                                                       |                                 |                                |               |                |                   |                   |                   |
|    | Galvanized steel heel safe mesh | Bolt and bar<br>(not included) | 198           | 998            | 33 x 15           | 5,30              | 502130            |
|    | Stainless steel heel safe mesh  | Bolt and bar<br>(not included) | 198           | 998            | 33 x 15           | 5,00              | 502158            |
|    | Galvanized steel square mesh    | Bolt and bar<br>(not included) | 198           | 998            | 32,2 x 32,2       | 4,10              | 502131            |
|    | Stainless steel square mesh     | Bolt and bar<br>(not included) | 198           | 998            | 32,2 x 32,2       | 4,10              | 502159            |
|    | Ductile iron mesh               | Bolt and bar<br>(not included) | 198           | 498            | 29 x 24,5         | 4,90              | 502118            |
|   | Polyamide 16mm slot             | Bolt and bar<br>(not included) | 198           | 498            | 132 x 16          | 1,70              | 502302            |
| <b>C 250</b>                                                                       |                                 |                                |               |                |                   |                   |                   |
|  | Galvanized steel heel safe mesh | Bolt and bar<br>(not included) | 198           | 998            | 33 x 15           | 7,50              | 502154            |
|  | Stainless steel heel safe mesh  | Bolt and bar<br>(not included) | 198           | 998            | 33 x 15           | 7,50              | 502177            |
|  | Ductile iron 20mm slot          | Bolt and bar<br>(not included) | 198           | 498            | 132 x 20          | 5,45              | 502120            |
|  | Polyamide 16mm slot             | Bolt and bar<br>(not included) | 198           | 498            | 132 x 16          | 2,35              | 502303            |
|  | Ductile iron 8mm slot           | Bolt and bar<br>(not included) | 198           | 498            | 81 x 7            | 7,10              | 502263            |

## Mufledrain Smart 150 grating accessories

| Image                                                                               | Description                                      | Material         | Valid for                                         | Article<br>number     |
|-------------------------------------------------------------------------------------|--------------------------------------------------|------------------|---------------------------------------------------|-----------------------|
|  | Bolt and bar kit + M8x40<br>TBL combi screw      | Galvanized steel | Mufledrain Smart 150<br>galvanized steel gratings | 500424 <sup>(1)</sup> |
|                                                                                     |                                                  | Stainless steel  | Mufledrain Smart 150<br>stainless steel gratings  | 500425 <sup>(1)</sup> |
|  | Bolt and bar kit + M8x40<br>black hex head screw | Galvanized steel | Mufledrain Smart 150<br>ductile iron gratings     | 500426 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

# Mufledrain Smart 200

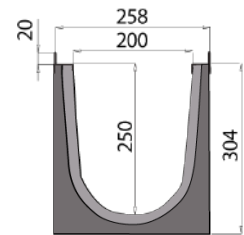
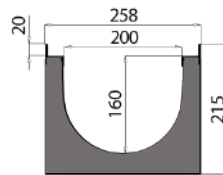
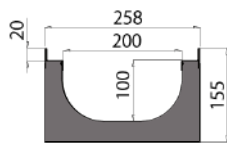
## Product information

- HD-PE drainage channel, internal width: 200 mm
- Galvanized steel and stainless steel rail
- Load class A15, B125, C250, according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Bolt and bar fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



## Mufledrain Smart 200 channel with galvanized/stainless steel rail

Length 1000 mm, total width 258 mm

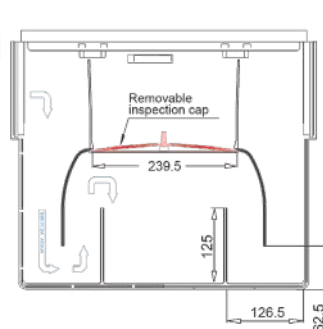
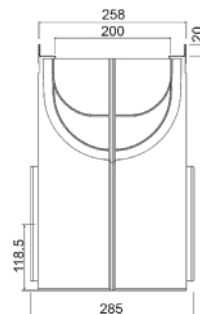
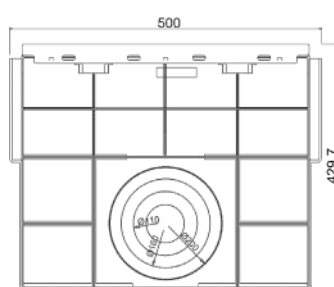


| Total Height                                 | Internal height | Ø side outlet | Ø vertical outlet | Weight  | Pieces/pallet (100X120) | Stainless steel |  | Galvanized steel |  |
|----------------------------------------------|-----------------|---------------|-------------------|---------|-------------------------|-----------------|--|------------------|--|
| [mm]                                         | [mm]            | [mm]          | [mm]              | [kg/pc] |                         | Article number  |  | Article number   |  |
| <b>Channel with vertical outlet Ø200/160</b> |                 |               |                   |         |                         |                 |  |                  |  |
| 155                                          | 100             | 2 x Ø63       | 1 x Ø200/160      | 4,35    | 32                      | 701015          |  | 701007           |  |
| 215                                          | 160             | 2 x Ø110      | 1 x Ø200/160      | 4,95    | 24                      | 701014          |  | 701006           |  |
| 304                                          | 250             | 2 x Ø160/200  | 1 x Ø200/160      | 6,30    | 16                      | 701023          |  | 701022           |  |

## Mufledrain Smart 200 channel accessories

| Image                                                                              | Description                           | For channel<br>internal height<br>[mm] | Material | Article<br>number |
|------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|----------|-------------------|
|   | Closed end-cap                        | 100                                    | PE       | 700514            |
|                                                                                    |                                       | 160                                    | PE       | 700515            |
|   | Ø75 outlet end-cap                    | 100                                    | PE       | 700526            |
|                                                                                    | Ø110 outlet end-cap                   | 160                                    | PE       | 700507            |
|   | Closed end-cap with Ø160 knockout     | 250                                    | PE       | 502416            |
|   | Step connectors from 100 mm to 160 mm |                                        | Composit | 700519            |
|                                                                                    | Step connectors from 160 mm to 250 mm | -                                      | Composit | 700518            |
|  | Bituminous sealant                    | -                                      | -        | 500345            |

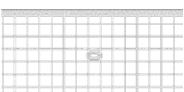
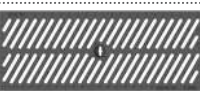
## Mufledrain Smart 200 sump unit with galvanized/stainless steel rail



| Description                             | Material | Height | Width | Length | Ø side outlet | Weight  | Stainless steel       |  | Galvanized steel      |  |
|-----------------------------------------|----------|--------|-------|--------|---------------|---------|-----------------------|--|-----------------------|--|
|                                         |          | [mm]   | [mm]  | [mm]   | [mm]          | [kg/pc] | Article number        |  | Article number        |  |
| Sump unit with female-female connection | PE       | 429,7  | 258   | 500    | 2xØ110        | 4,00    | 701021 <sup>(1)</sup> |  | 701018 <sup>(1)</sup> |  |
|                                         |          |        |       |        | 2xØ160        |         |                       |  |                       |  |
|                                         |          |        |       |        | 2xØ200        |         |                       |  |                       |  |

<sup>(1)</sup>Not valid for channel height 250

## Mufledrain Smart 200 channel gratings

| Image                                                                               | Description                     | Fixing system                  | Width<br>[mm] | Length<br>[mm] | Slot/Mesh<br>[mm] | Weight<br>[kg/pc] | Article<br>number |
|-------------------------------------------------------------------------------------|---------------------------------|--------------------------------|---------------|----------------|-------------------|-------------------|-------------------|
| <b>A 15</b>                                                                         |                                 |                                |               |                |                   |                   |                   |
|     | Galvanized steel slot           | Bolt and bar<br>(not included) | 148           | 998            | 83 x 8,5          | 5,10              | 502136            |
|     | Stainless steel slot            | Bolt and bar<br>(not included) | 148           | 998            | 83 x 8,5          | 5,10              | 502198            |
| <b>B 125</b>                                                                        |                                 |                                |               |                |                   |                   |                   |
|    | Galvanized steel heel safe mesh | Bolt and bar<br>(not included) | 248           | 998            | 33 x 15           | 6,20              | 502134            |
|    | Stainless steel heel safe mesh  | Bolt and bar<br>(not included) | 248           | 998            | 33 x 15           | 6,20              | 502160            |
|    | Galvanized steel square mesh    | Bolt and bar<br>(not included) | 248           | 998            | 32,2 x 32,2       | 5,20              | 502135            |
|    | Stainless steel square mesh     | Bolt and bar<br>(not included) | 248           | 998            | 32,2 x 32,2       | 5,20              | 502161            |
|    | Ductile iron grating mesh       | Bolt and bar<br>(not included) | 248           | 498            | 25,5 x 24,5       | 6,25              | 502122            |
| <b>C 250</b>                                                                        |                                 |                                |               |                |                   |                   |                   |
|   | Galvanized steel heel safe mesh | Bolt and bar<br>(not included) | 248           | 998            | 33 x 15           | 9,50              | 502156            |
|  | Stainless steel heel safe mesh  | Bolt and bar<br>(not included) | 248           | 998            | 33 x 15           | 9,50              | 502179            |
|  | Ductile iron 20mm Slot          | Bolt and bar<br>(not included) | 248           | 498            | 180 x 20          | 7,00              | 502124            |
|  | Ductile iron 8mm Slot           | Bolt and bar<br>(not included) | 248           | 498            | 107 x 7           | 9,15              | 502264            |

## Mufledrain Smart 200 grating accessories

| Image                                                                               | Description                                      | Material         | Valid for                                         | Article<br>number     |
|-------------------------------------------------------------------------------------|--------------------------------------------------|------------------|---------------------------------------------------|-----------------------|
|  | Bolt and bar kit + M8x40<br>TBL combi screw      | Galvanized steel | Mufledrain Smart 200<br>galvanized steel gratings | 500427 <sup>(1)</sup> |
|                                                                                     |                                                  | Stainless steel  | Mufledrain Smart 200<br>stainless steel gratings  | 500428 <sup>(1)</sup> |
|  | Bolt and bar kit + M8x40<br>black hex head screw | Galvanized steel | Mufledrain Smart 200<br>ductile iron gratings     | 500429 <sup>(1)</sup> |

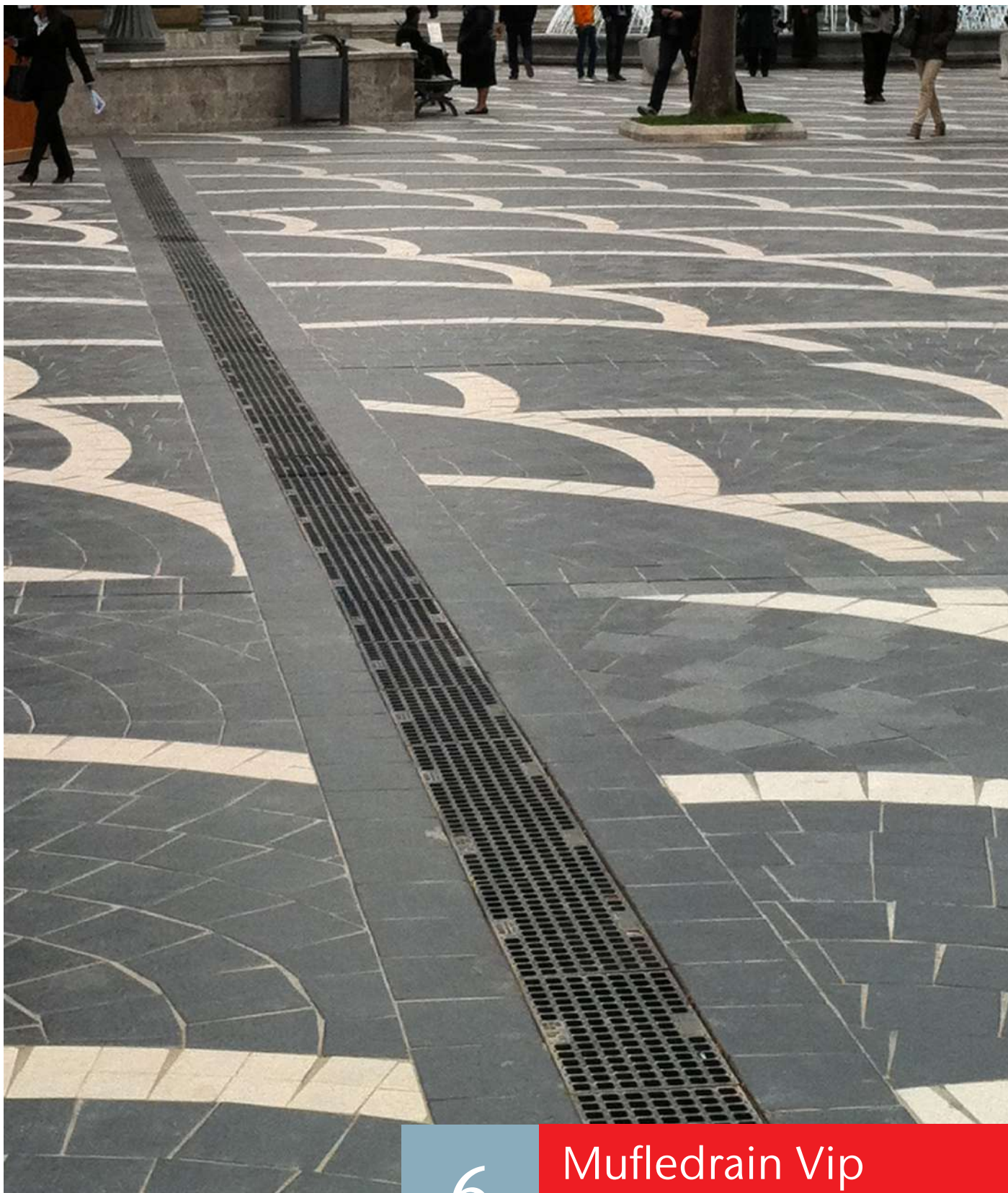
<sup>(1)</sup>Valid for 1 meter of channel

## Notes

[illegible]



Declaration of performance:  
**[www.mufle.com](http://www.mufle.com)**



6

Mufledrain Vip  
Rainwater drainage systems

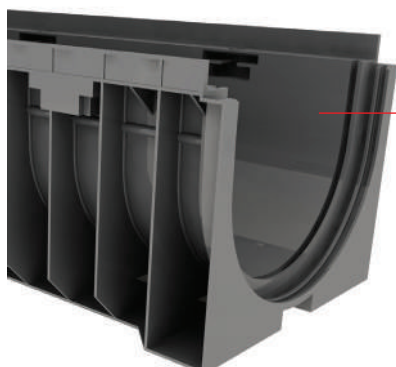
# Mufledrain Vip: flexibility of the channel system, wide variety of gratings

**Mufledrain VIP** is a practical and flexible drainage system. The channel body is completely made of HD-PE with an inbuilt rail that ensures protection to the gratings, even without steel. The large range of gratings makes it possible to customize the drainage line; different designs and multiple materials like galvanized steel, stainless steel, ductile iron, PP-PE, and polyamide are all available.

L-shaped SlotTops are available on request.

This product range is particularly suitable for civil applications, pedestrian areas and private parking areas.

**Mufledrain VIP 300**, with an internal width of 300 mm and 1.5 meters length, is the best solution for large surface drainage applications.

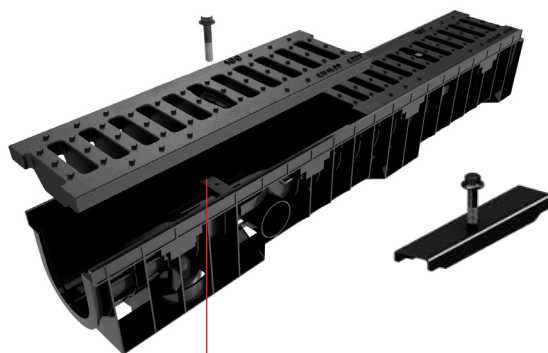


The 20 mm high HD-PE Rail (35 mm for Mufledrain VIP 300) contains and limits the grating, making it easier and comfortable to install.



## Main Features

- The channel body is completely made of HD-PE, certified for load class A 15, B 125, and C 250 according to EN 1433: 2008
- With HD-PE integrated rail
- 4 different nominal widths: 100, 150, 200, 300 mm
- With vertical and lateral knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H 55 and H 80 mm
- Sump unit with foul air trap
- Bolt and bar fixing system for the gratings
- Special parts for corners, T-couplings and Cross-couplings available



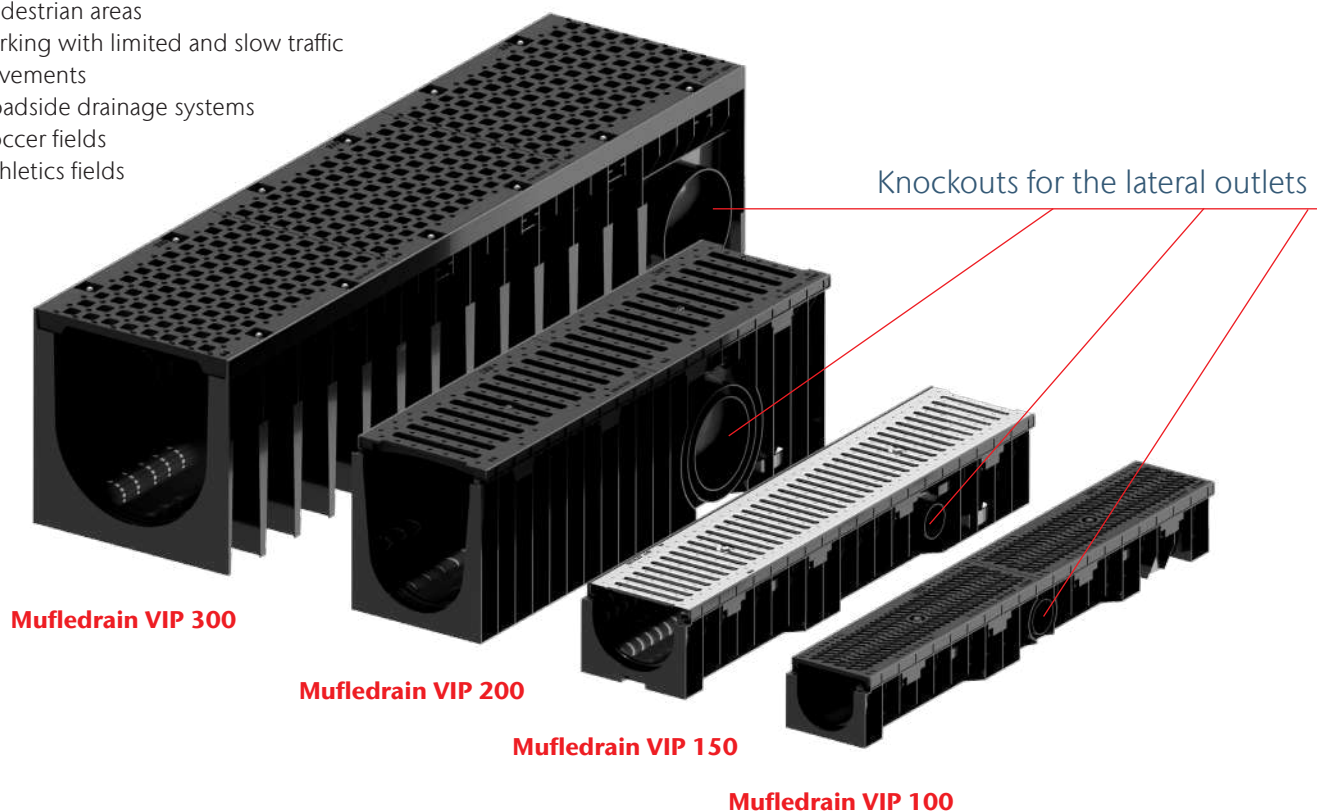
To fix the gratings on the Mufledrain VIP channels with internal width 100, 150 and 200 mm, you will need one bar and bolt every half meter of channel.

To fix the grating on the Mufledrain VIP 300 channels, you will need 4 nuts for every half meter of channel.

## System overview

### Typical applications

- Residential areas
- Pedestrian areas
- Parking with limited and slow traffic
- Pavements
- Roadside drainage systems
- Soccer fields
- Athletics fields

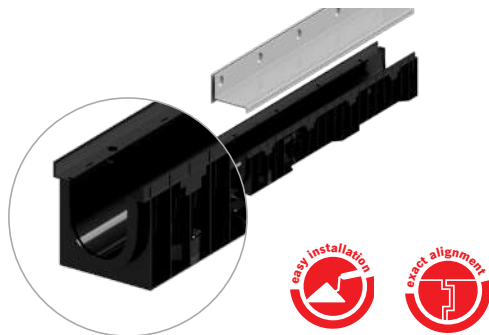
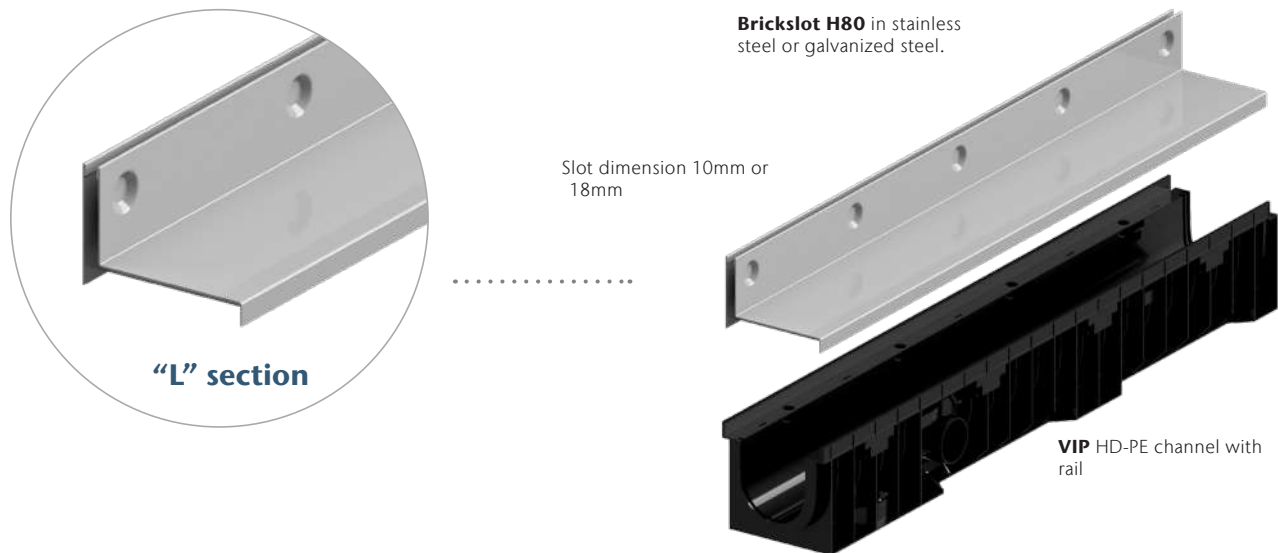


### Polyamide grating detail



# Mufledrain Brickslot “L” section with VIP channel body

Designed for professional drainage



BrickSlot H80 “L” section is designed for **VIP** channel made of HD-PE with an inbuilt rail that ensures protection on the gratings. BrickSlot H80 “L” section can be installed on Vip 100 in all its internal heights: 55, 80, 100, and 160mm.

## Main Features

- “L” section made in stainless steel AISI 304 or in galvanized steel
- Suitable for installation near walls, fences, façades etc..
- Dimension of slot 10mm
- Suitable for surfaces paved with block stones (60-70mm heigh)
- Load class C250
- The drainage system can be completely inspected thanks to inspection element
- The inspection element can be installed on Vip channel or on sump unit
- Certified in accordance to EN 1433
- Easy to install

## Designed for professional drainage



The drainage system with the Brickslot represents one of the possible types of water drainage and can be considered a valid alternative to the traditional gratings.

Brickslot H80 can be installed VIP channels.

This channel together with Brickslot H80 create a drainage system that appears to be a thin continuous line perfectly integrated into the surrounding, making it invisible in the architectural context or in urban landscape.

Ideal for areas paved with stones, concrete and paving, all materials used in squares, fountains, private roads, and places with paving blocks up to 70mm).



# Mufledrain Vip 100

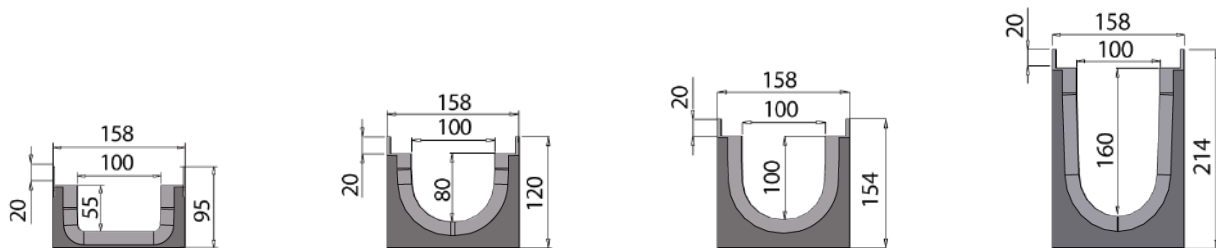
## Product information

- HD-PE drainage channel, internal width: 100 mm
- HD-PE rail
- Load class A15, B125, and C250 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channel H55 and H80 mm; knockout on all other sizes
- Bolt and bar fixing system for gratings
- Special parts for corners, T-couplings, and cross-couplings are available on request



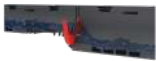
## Mufledrain VIP 100 channel

**Length 1000 mm, total width 158 mm**

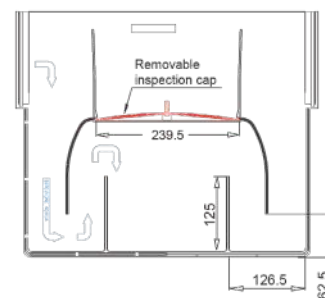
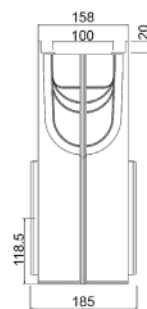
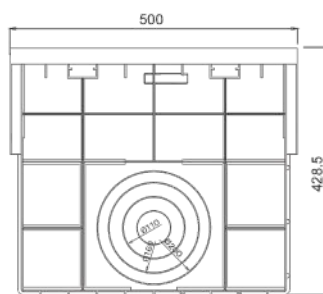


| Total height                                     | Internal height | Ø side outlet | Ø vertical outlet | Weight  | Pieces/pallet<br>(100X120) | Article<br>number |
|--------------------------------------------------|-----------------|---------------|-------------------|---------|----------------------------|-------------------|
| [mm]                                             | [mm]            | [mm]          | [mm]              | [kg/pc] |                            |                   |
| <b>Channel with vertical outlet kit Ø100/110</b> |                 |               |                   |         |                            |                   |
| 95                                               | 55              | 2 x Ø40       | 1 x Ø100/110      | 1,56    | 84                         | 702010            |
| 120                                              | 80              | 2 x Ø63       | 1 x Ø100/110      | 1,70    | 70                         | 702009            |
| <b>Channel with vertical outlet kit Ø110</b>     |                 |               |                   |         |                            |                   |
| 154                                              | 100             | 2 x Ø63       | 1 x Ø110          | 2,05    | 56                         | 702001            |
| 214                                              | 160             | 2 x Ø110      | 1 x Ø110          | 2,55    | 42                         | 702000            |

## Mufledrain VIP 100 channel accessories

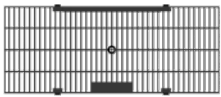
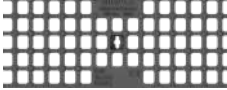
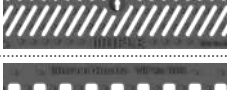
| Image                                                                              | Description                           | For channel<br>internal height<br>[mm] | Material | Article<br>number |
|------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|----------|-------------------|
|   | Closed end-cap                        | 55                                     | PE       | 700508            |
|                                                                                    |                                       | 80                                     | PE       | 700509            |
|                                                                                    |                                       | 100                                    | PE       | 700510            |
|                                                                                    |                                       | 160                                    | PE       | 700511            |
|   | Ø40 outlet end-cap                    | 55                                     | PE       | 700500            |
|                                                                                    | Ø50 outlet end-cap                    | 80                                     | PE       | 700521            |
|                                                                                    | Ø75 outlet end-cap                    | 100                                    | PE       | 700522            |
|                                                                                    |                                       | 160                                    | PE       | 700523            |
|   | KIT Ø100 vertical outlet              | 55/80                                  | PE       | 506114            |
|                                                                                    | KIT Ø110 vertical outlet              | 55/80                                  | PE       | 506115            |
|   | Step connectors from 100 mm to 160 mm | -                                      | Composit | 700516            |
|  | Bituminous sealant                    | -                                      | -        | 500345            |

## Mufledrain VIP 100 sump unit with PE rail



| Description                             | Material | Height<br>[mm] | Width<br>[mm] | Length<br>[mm] | Ø side outlet<br>[mm]      | Weight<br>[kg/pc] | Article<br>number |
|-----------------------------------------|----------|----------------|---------------|----------------|----------------------------|-------------------|-------------------|
| Sump unit with female-female connection | PE       | 428,5          | 158           | 500            | 2xØ110<br>2xØ160<br>2xØ200 | 2,60              | 702006            |

## Mufledrain VIP 100 channel gratings

| Image                                                                              | Description                     | Fixing system               | Width<br>[mm] | Length<br>[mm] | Slot/mesh<br>[mm] | Weight<br>[kg/pc] | Article<br>number |
|------------------------------------------------------------------------------------|---------------------------------|-----------------------------|---------------|----------------|-------------------|-------------------|-------------------|
| <b>Pedestrian</b>                                                                  |                                 |                             |               |                |                   |                   |                   |
|    | PP-PE mesh                      | Built-in lateral hook       | 148           | 498            | 34 x 8,5          | 0,44              | 502103            |
| <b>A 15</b>                                                                        |                                 |                             |               |                |                   |                   |                   |
|    | Galvanized steel slot           | Bolt and bar (not included) | 148           | 998            | 83 x 8,5          | 1,60              | 502128            |
|    | Stainless steel slot            | Bolt and bar (not included) | 148           | 998            | 83 x 8,5          | 1,60              | 502129            |
| <b>B 125</b>                                                                       |                                 |                             |               |                |                   |                   |                   |
|    | Galvanized steel heel safe mesh | Bolt and bar (not included) | 148           | 998            | 33 x 15           | 3,60              | 502126            |
|    | Stainless steel heel safe mesh  | Bolt and bar (not included) | 148           | 998            | 33 x 15           | 3,60              | 502150            |
|    | Galvanized steel square mesh    | Bolt and bar (not included) | 148           | 998            | 32,2 x 32,2       | 2,90              | 502127            |
|   | Stainless steel square mesh     | Bolt and bar (not included) | 148           | 998            | 32,2 x 32,2       | 2,90              | 502157            |
|  | Ductile iron mesh               | Bolt and bar (not included) | 148           | 498            | 21,5 x 17,5       | 3,40              | 502112            |
|  | Polyamide 16 mm slot            | Bolt and bar (not included) | 148           | 498            | 82 x 16           | 0,80              | 502307            |
| <b>C 250</b>                                                                       |                                 |                             |               |                |                   |                   |                   |
|  | Galvanized steel heel safe mesh | Bolt and bar (not included) | 148           | 998            | 33 x 15           | 5,10              | 502152            |
|  | Stainless steel heel safe mesh  | Bolt and bar (not included) | 148           | 998            | 33 x 15           | 5,10              | 502175            |
|  | Ductile iron mesh               | Bolt and bar (not included) | 148           | 498            | 21,5 x 17,5       | 3,80              | 502115            |
|  | Ductile iron 7 mm slot          | Bolt and bar (not included) | 148           | 498            | 57 x 7            | 4,10              | 502105            |
|  | Ductile iron 20 mm slot         | Bolt and bar (not included) | 148           | 498            | 82 x 20           | 3,60              | 502113            |
|  | Polyamide 16 mm slot            | Bolt and bar (not included) | 148           | 498            | 82 x 16           | 1,30              | 502308            |

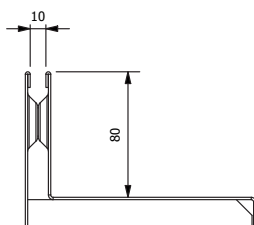
## Mufledrain VIP 100 grating accessories

| Image                                                                             | Description                                  | Material         | Valid for                                              | Article number        |
|-----------------------------------------------------------------------------------|----------------------------------------------|------------------|--------------------------------------------------------|-----------------------|
|  | Bolt and bar kit + M8x55 TBL combi bolt      | Galvanized steel | ACO Xtraline C 100 galvanized steel gratings           | 500421 <sup>(1)</sup> |
|                                                                                   |                                              | Stainless steel  | ACO Xtraline C 100 stainless steel gratings            | 500422 <sup>(1)</sup> |
|  | Bolt and bar kit + M8x55 black hex head bolt | Galvanized steel | ACO Xtraline C 100 ductile iron and polyamide gratings | 500423 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

## Mufledrain Brickslot for Vip 100

- Brickslot in Galvanized steel
- "L" profile
- 10mm slot
- Load class C250



|                                                                                     | Material         | Dimensions |       |        | Slot | Class Load | Weight | Artic. Num. |
|-------------------------------------------------------------------------------------|------------------|------------|-------|--------|------|------------|--------|-------------|
|                                                                                     |                  | Lenght     | Width | Height |      |            |        |             |
|                                                                                     |                  | [mm]       | [mm]  | [mm]   | [mm] |            | [kg]   |             |
|  | Galvanized steel | 1000       | 147   | 80     | 10   | C250       | 4,75   | 503700      |
|                                                                                     | Stainless steel  | 1000       | 147   | 80     | 10   | C250       | 4,75   | 503703      |
|  | Galvanized steel | 500        | 147   | 80     | 10   | C250       | 2,50   | 503701      |
|                                                                                     | Stainless steel  | 500        | 147   | 80     | 10   | C250       | 2,50   | 503704      |
|  | Galvanized steel | 500        | 147   | 80     | 10   | C250       | 4,50   | 503702      |
|                                                                                     | Stainless steel  | 500        | 147   | 80     | 10   | C250       | 4,50   | 503705      |

# Mufledrain Vip 150

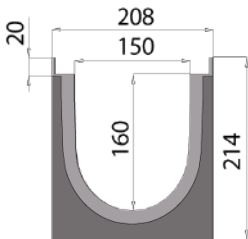
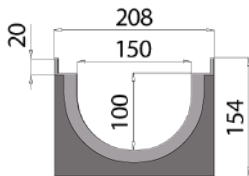
Product information

- HD-PE drainage channel, internal width: 150 mm
- HD-PE rail
- Load class A15, B125, and C250 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Bolt and bar fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



## Mufledrain VIP 150 channel

Length 1000 mm, total width 208 mm

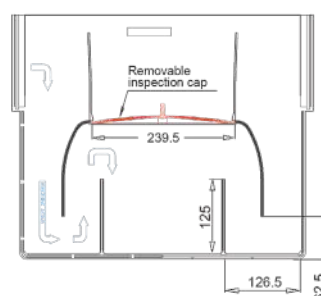
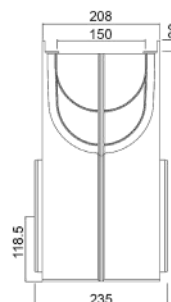
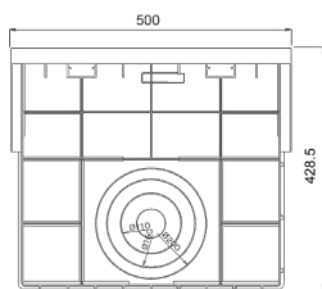


| Total height                          | Internal height | Ø side outlet | Ø vertical outlet | Weight  | Pieces/pallet<br>(100X120) | Article<br>number |
|---------------------------------------|-----------------|---------------|-------------------|---------|----------------------------|-------------------|
| [mm]                                  | [mm]            | [mm]          | [mm]              | [kg/pc] |                            |                   |
| Channel with vertical outlet Ø110/160 |                 |               |                   |         |                            |                   |
| 154                                   | 100             | 2 x Ø63       | 1 x Ø110/160      | 2,45    | 40                         | 702003            |
| 214                                   | 160             | 2 x Ø110      | 1 x Ø110/160      | 3,00    | 30                         | 702002            |

## Mufledrain VIP 150 channel accessories

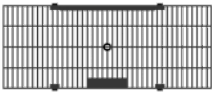
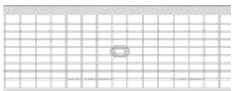
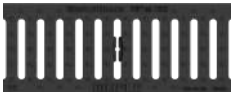
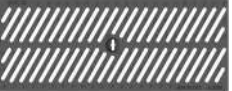
| Image                                                                             | Description                              | For channel<br>internal height<br>[mm] | Material | Article<br>number |
|-----------------------------------------------------------------------------------|------------------------------------------|----------------------------------------|----------|-------------------|
|  | Closed end-cap                           | 100                                    | PE       | 700512            |
|                                                                                   |                                          | 160                                    | PE       | 700513            |
|  | Ø75 outlet end-cap                       | 100                                    | PE       | 700524            |
|                                                                                   | Ø110 outlet end-cap                      | 160                                    | PE       | 700505            |
|  | Step connectors from<br>100 mm to 160 mm |                                        | Composit | 700517            |
|  | Bituminous sealant                       | -                                      | -        | 500345            |

## Mufledrain VIP 150 sump unit with PE rail



| Description                             | Material | Height | Width | Length | Ø side outlet              | Weight  | Article<br>number |
|-----------------------------------------|----------|--------|-------|--------|----------------------------|---------|-------------------|
|                                         |          | [mm]   | [mm]  | [mm]   | [mm]                       | [kg/pc] |                   |
| Sump unit with female-female connection | PE       | 428,5  | 208   | 500    | 2xØ110<br>2xØ160<br>2xØ200 | 2,85    | 702007            |

## Mufledrain VIP 150 channel gratings

| Image                                                                              | Description                     | Fixing system               | Width<br>[mm] | Length<br>[mm] | Slot/mesh<br>[mm] | Weight<br>[kg/pc] | Article number |
|------------------------------------------------------------------------------------|---------------------------------|-----------------------------|---------------|----------------|-------------------|-------------------|----------------|
| <b>Pedestrian</b>                                                                  |                                 |                             |               |                |                   |                   |                |
|   | PP-PE mesh                      | Built-in lateral hook       | 198           | 498            | 34 x 8,5          | 0,82              | 502104         |
| <b>A 15</b>                                                                        |                                 |                             |               |                |                   |                   |                |
|    | Galvanized steel slot           | Bolt and bar (not included) | 198           | 998            | 130 x 8,5         | 2,90              | 502132         |
|    | Stainless steel slot            | Bolt and bar (not included) | 198           | 998            | 130 x 8,5         | 2,90              | 502133         |
| <b>B 125</b>                                                                       |                                 |                             |               |                |                   |                   |                |
|    | Galvanized steel heel safe mesh | Bolt and bar (not included) | 198           | 998            | 33 x 15           | 5,30              | 502130         |
|    | Stainless steel heel safe mesh  | Bolt and bar (not included) | 198           | 998            | 33 x 15           | 5,00              | 502158         |
|    | Galvanized steel square mesh    | Bolt and bar (not included) | 198           | 998            | 32,2 x 32,2       | 4,10              | 502131         |
|    | Stainless steel square mesh     | Bolt and bar (not included) | 198           | 998            | 32,2 x 32,2       | 4,10              | 502159         |
|   | Ductile iron mesh               | Bolt and bar (not included) | 198           | 498            | 29 x 24,5         | 4,90              | 502118         |
|  | Polyamide 16mm slot             | Bolt and bar (not included) | 198           | 498            | 132 x 16          | 1,70              | 502302         |
| <b>C 250</b>                                                                       |                                 |                             |               |                |                   |                   |                |
|  | Galvanized steel heel safe mesh | Bolt and bar (not included) | 198           | 998            | 33 x 15           | 5,30              | 502154         |
|  | Stainless steel heel safe mesh  | Bolt and bar (not included) | 198           | 998            | 33 x 15           | 5,00              | 502177         |
|  | Ductile iron 20mm slot          | Bolt and bar (not included) | 198           | 498            | 132 x 20          | 5,30              | 502120         |
|  | Polyamide 16mm slot             | Bolt and bar (not included) | 198           | 498            | 132 x 16          | 1,70              | 502303         |
|  | Ductile iron 8mm slot           | Bolt and bar (not included) | 198           | 498            | 81 x 7            | 9,00              | 502263         |

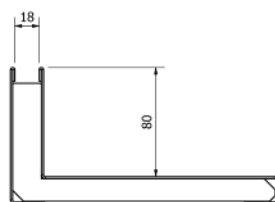
## Mufledrain VIP 150 grating accessories

| Image                                                                             | Description                                  | Material         | Valid for                                    | Article number        |
|-----------------------------------------------------------------------------------|----------------------------------------------|------------------|----------------------------------------------|-----------------------|
|  | Bolt and bar kit + M8x55 TBL combi bolt      | Galvanized steel | Mufledrain VIP 150 galvanized steel gratings | 500424 <sup>(1)</sup> |
|                                                                                   |                                              | Stainless steel  | Mufledrain VIP 150 stainless steel gratings  | 500425 <sup>(1)</sup> |
|  | Bolt and bar kit + M8x55 black hex head bolt | Galvanized steel | Mufledrain VIP 150 ductile iron gratings     | 500426 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

## Mufledrain Brickslot for Vip 150

- Brickslot in Galvanized steel
- "L" profile
- 18mm slot
- Load class C250



|                                                                                     | Material         | Dimensions |       |        | Slot | Class Load | Weight | Artic. Num. |
|-------------------------------------------------------------------------------------|------------------|------------|-------|--------|------|------------|--------|-------------|
|                                                                                     |                  | Lenght     | Width | Height |      |            |        |             |
|                                                                                     |                  | [mm]       | [mm]  | [mm]   | [mm] |            | [kg]   |             |
|  | Galvanized steel | 1000       | 197   | 80     | 18   | C250       | 6,00   | 500214      |
|                                                                                     | Stainless steel  | 1000       | 197   | 80     | 18   | C250       | 6,00   | 500250      |
|  | Galvanized steel | 500        | 197   | 80     | 18   | C250       | 3,00   | 500362      |
|                                                                                     | Stainless steel  | 500        | 197   | 80     | 18   | C250       | 3,00   | 500363      |
|  | Galvanized steel | 500        | 197   | 80     | 18   | C250       | 5,30   | 500227      |
|                                                                                     | Stainless steel  | 500        | 197   | 80     | 18   | C250       | 5,30   | 500239      |

# Mufledrain Vip 200

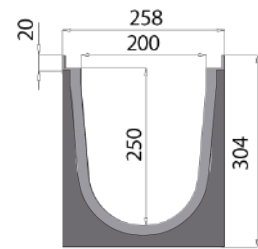
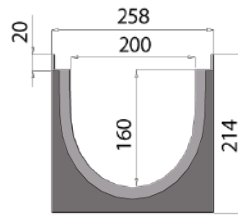
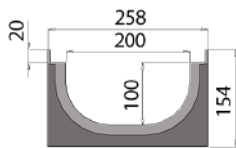
## Product information

- HD-PE drainage channel, internal width: 200 mm
- HD-PE rail
- Load class A15, B125, and C250 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Bolt and bar fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



## Mufledrain VIP 200 channel with HD-PE rail

**Length 1000 mm, total width 258 mm**

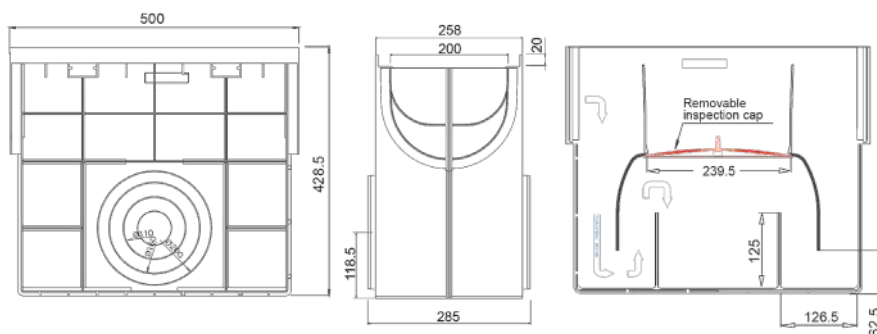


| Total height                                 | Internal height | Ø side outlet | Ø vertical outlet | Weight  | Pieces/<br>Pallet (100X120) | Article<br>number |
|----------------------------------------------|-----------------|---------------|-------------------|---------|-----------------------------|-------------------|
| [mm]                                         | [mm]            | [mm]          | [mm]              | [kg/pz] |                             |                   |
| <b>Channel with vertical outlet Ø200/160</b> |                 |               |                   |         |                             |                   |
| 154                                          | 100             | 2 x Ø63       | 1 x Ø200/160      | 2,80    | 32                          | 702005            |
| 214                                          | 160             | 2 x Ø110      | 1 x Ø200/160      | 3,40    | 24                          | 702004            |
| 304                                          | 250             | 2 x Ø160/200  | 1 x Ø200/160      | 5,00    | 16                          | 502042            |

## Mufledrain VIP 200 channel accessories

| Image                                                                              | Description                           | For channel<br>internal height<br>[mm] | Material | Article<br>number |
|------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|----------|-------------------|
|   | Closed end-cap                        | 100                                    | PE       | 700514            |
|                                                                                    |                                       | 160                                    | PE       | 700515            |
|   | Ø75 outlet end-cap                    | 100                                    | PE       | 700526            |
|                                                                                    | Ø110 outlet end-cap                   | 160                                    | PE       | 700507            |
|   | Closed end-cap with Ø160 knockout     | 250                                    | PE       | 502416            |
|   | Step connectors from 100 mm to 160 mm | -                                      | Composit | 700519            |
|                                                                                    | Step connectors from 160 mm to 250 mm | -                                      | Composit | 700518            |
|  | Bituminous sealant                    | -                                      | -        | 500345            |

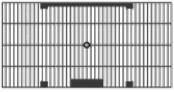
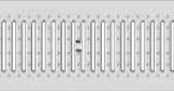
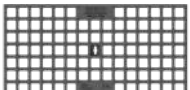
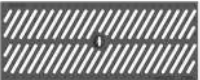
## Mufledrain VIP 200 sump unit with PE rail



| Description                             | Material | Height<br>[mm] | Width<br>[mm] | Length<br>[mm] | Ø side outlet<br>[mm]      | Weight<br>[kg/pc] | Article<br>number     |
|-----------------------------------------|----------|----------------|---------------|----------------|----------------------------|-------------------|-----------------------|
| Sump unit with female-female connection | PE       | 428,5          | 258           | 500            | 2xØ110<br>2xØ160<br>2xØ200 | 3,10              | 702008 <sup>(1)</sup> |

<sup>(1)</sup>It is not designed for connection to H250 channels

## Mufledrain VIP 200 channel gratings

| Image                                                                               | Description                     | Fixing System               | Width | Length | Slot/Mesh   | Weight  | Article number |
|-------------------------------------------------------------------------------------|---------------------------------|-----------------------------|-------|--------|-------------|---------|----------------|
|                                                                                     |                                 |                             | [mm]  | [mm]   | [mm]        | [kg/pc] |                |
| <b>Pedestrian</b>                                                                   |                                 |                             |       |        |             |         |                |
|    | PP-PE mesh                      | Built-in lateral hook       | 248   | 498    | 58,5 x 8,5  | 1,06    | 502106         |
| <b>A 15</b>                                                                         |                                 |                             |       |        |             |         |                |
|    | Galvanized steel slot           | Bolt and bar (not included) | 248   | 998    | 130 x 8,5   | 4,80    | 502136         |
|                                                                                     | Stainless steel slot            | Bolt and bar (not included) | 248   | 998    | 130 x 8,5   | 4,90    | 502198         |
| <b>B 125</b>                                                                        |                                 |                             |       |        |             |         |                |
|    | Galvanized steel heel safe mesh | Bolt and bar (not included) | 248   | 998    | 33 x 15     | 6,20    | 502134         |
|                                                                                     | Stainless steel heel safe mesh  | Bolt and bar (not included) | 248   | 998    | 33 x 15     | 6,20    | 502160         |
|    | Galvanized steel square mesh    | Bolt and bar (not included) | 248   | 998    | 32,2 x 32,2 | 5,20    | 502135         |
|                                                                                     | Stainless steel square mesh     | Bolt and bar (not included) | 248   | 998    | 32,2 x 32,2 | 5,20    | 502161         |
|   | Ductile iron mesh               | Bolt and bar (not included) | 248   | 498    | 25,5 x 24,5 | 6,25    | 502122         |
| <b>C 250</b>                                                                        |                                 |                             |       |        |             |         |                |
|  | Galvanized steel heel safe mesh | Bolt and bar (not included) | 248   | 998    | 33 x 15     | 9,50    | 502156         |
|                                                                                     | Stainless steel heel safe mesh  | Bolt and bar (not included) | 248   | 998    | 33 x 15     | 9,50    | 502179         |
|  | Ductile iron 20mm slot          | Bolt and bar (not included) | 248   | 498    | 180 x 20    | 7,00    | 502124         |
|  | Ductile iron 8mm slot           | Bolt and bar (not included) | 248   | 498    | 81 x 7      | 7,10    | 502264         |

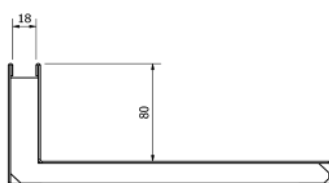
## Mufledrain VIP 200 grating accessories

| Image                                                                             | Description                                  | Material         | Valid for                                    | Article number        |
|-----------------------------------------------------------------------------------|----------------------------------------------|------------------|----------------------------------------------|-----------------------|
|  | Bolt and bar kit + M8x55 TBL combi bolt      | Galvanized steel | Mufledrain VIP 200 galvanized steel gratings | 500427 <sup>(1)</sup> |
|                                                                                   |                                              | Stainless steel  | Mufledrain VIP 200 stainless steel gratings  | 500428 <sup>(1)</sup> |
|  | Bolt and bar kit + M8x55 black hex head bolt | Galvanized steel | Mufledrain VIP 200 ductile iron gratings     | 500429 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

## Mufledrain Brickslot for Vip 200

- Brickslot in Galvanized steel
- "L" profile
- 18mm slot
- Load class C250



|                                                                                     | Material         | Dimensions |       |        | Slot | Class Load | Weight | Artic. Num. |
|-------------------------------------------------------------------------------------|------------------|------------|-------|--------|------|------------|--------|-------------|
|                                                                                     |                  | Lenght     | Width | Height |      |            |        |             |
|                                                                                     |                  | [mm]       | [mm]  | [mm]   | [mm] |            | [kg]   |             |
|  | Galvanized steel | 1000       | 247   | 80     | 18   | C250       | 7,20   | 500216      |
|                                                                                     | Stainless steel  | 1000       | 247   | 80     | 18   | C250       | 7,20   | 500252      |
|  | Galvanized steel | 500        | 247   | 80     | 18   | C250       | 3,60   | 500366      |
|                                                                                     | Stainless steel  | 500        | 247   | 80     | 18   | C250       | 3,60   | 500367      |
|  | Galvanized steel | 500        | 247   | 80     | 18   | C250       | 6,00   | 500229      |
|                                                                                     | Stainless steel  | 500        | 247   | 80     | 18   | C250       | 6,00   | 500241      |

# Mufledrain VIP 300

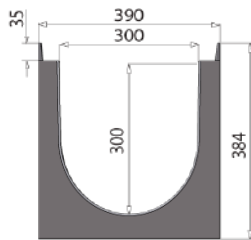
## Product information

- HD-PE drainage channel, internal width: 300 mm
- HD-PE rail
- Load class B125, and C250 according to EN 1433
- 1500mm long element
- Grating fixed with 8 nuts per 1,5 meterS
- With lateral and vertical knockout



## Mufledrain VIP 300 channel with HD-PE rail

**Length 1500 mm, total width 390 mm**



| Total height | Internal height | Ø side outlet | Ø vertical outlet  | Weight  | Pieces/pallet<br>(100X120) | Article<br>number |
|--------------|-----------------|---------------|--------------------|---------|----------------------------|-------------------|
| [mm]         | [mm]            | [mm]          | [mm]               | [kg/pc] |                            |                   |
| 384          | 300             | 2 x Ø200      | 1 x Ø160, 1 x Ø200 | 9,50    | 10                         | 502018            |

## Mufledrain VIP 300 channel accessories

| Image                                                                               | Description         | For channel<br>internal height | Material         | Article<br>number |
|-------------------------------------------------------------------------------------|---------------------|--------------------------------|------------------|-------------------|
|                                                                                     |                     | [mm]                           |                  |                   |
|  | Closed end-cap      | 300                            | Galvanized steel | 503411            |
|  | Ø200 outlet end-cap | 300                            | Galvanized steel | 503412            |
|  | Silicone Bituminoso | -                              | -                | 500345            |

## Mufledrain VIP 300 channel gratings

| Image | Description | Fixing system | Width | Length | Slot/mesh | Weight  | Article number |
|-------|-------------|---------------|-------|--------|-----------|---------|----------------|
|       |             |               | [mm]  | [mm]   | [mm]      | [kg/pc] |                |

### B 125



Ductile iron slot mesh

8 bolt/meter  
(not included)

376

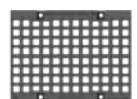
498

90 x 25

13,00

502261

### C 250



Ductile iron square mesh

8 bolt/meter  
(not included)

376

498

25 x 25

16,50

503117

## Mufledrain VIP 300 grating accessories

| Image | Description   | Material         | Valid for                                | Article number        |
|-------|---------------|------------------|------------------------------------------|-----------------------|
|       | Blind M10 nut | Galvanized steel | Mufledrain VIP 300 ductile iron gratings | 503310 <sup>(1)</sup> |
|       |               | Stainless steel  | Mufledrain VIP 300 ductile iron gratings | 503311 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1,5 meter of channel



Declaration of performance:  
**[www.mufle.com](http://www.mufle.com)**



7

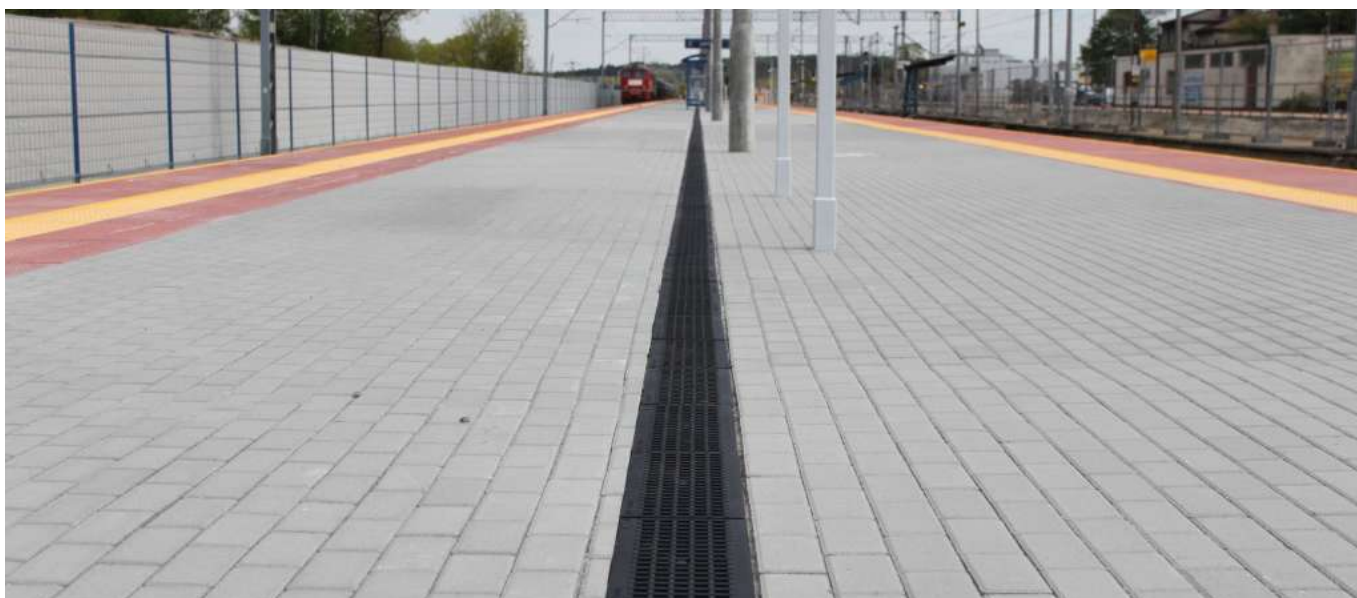
Mufledrain Easy  
Rainwater drainage systems

# Mufledrain Easy: the installation in residential contexts

**Mufledrain Easy** is the linear drainage system completely made of HD-PE with no rails.

The absence of rail ensures that the grating completely covers the channel and allows a drainage line installation without interruptions or discontinuities; a feature that many times, increases the aesthetics of installation in architectural projects and contexts.

The absence of any rail is a plus when it gets to height reduction in difficult installation sites and makes it possible to install the channel in all areas with reduced excavation depth.



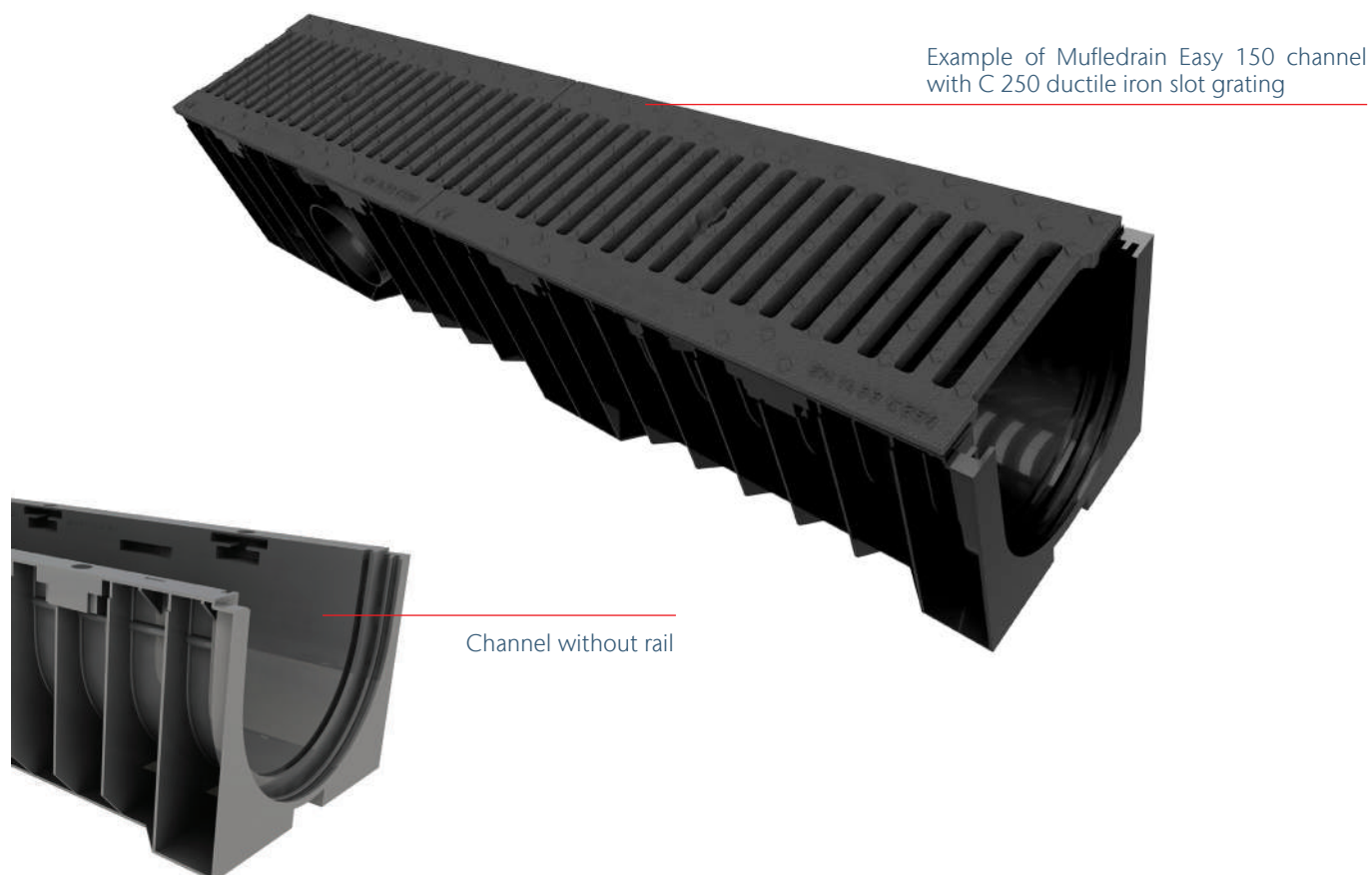
## Main features

- Channel body completely made of HD-PE, certified for load class A15, B125 and C250 according to EN 1433: 2002
- The grating covers completely the channel body
- 3 different internal widths: 100, 150, 200 mm
- Sump unit with foul air trap
- With side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H55 and H80 mm
- Bolt and bar fixing system for the gratings.
- Special pieces for corners, "T" couplings and cross couplings are available
- End-caps or end-caps with outlets

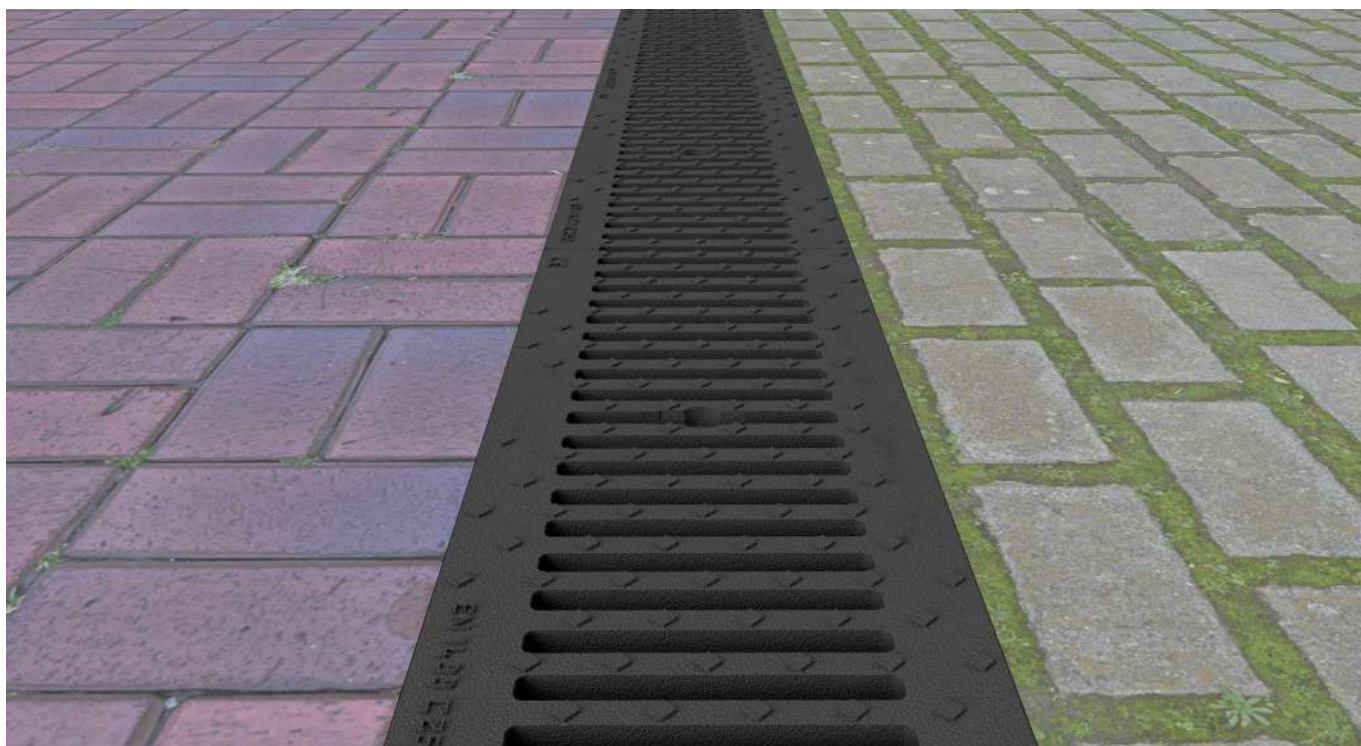
## Typical applications

- Domestic and civil use
- Pedestrian areas
- Cycle paths
- Gardens
- Sports facilities
- Terraces and flat roofs
- Multi-level car parking

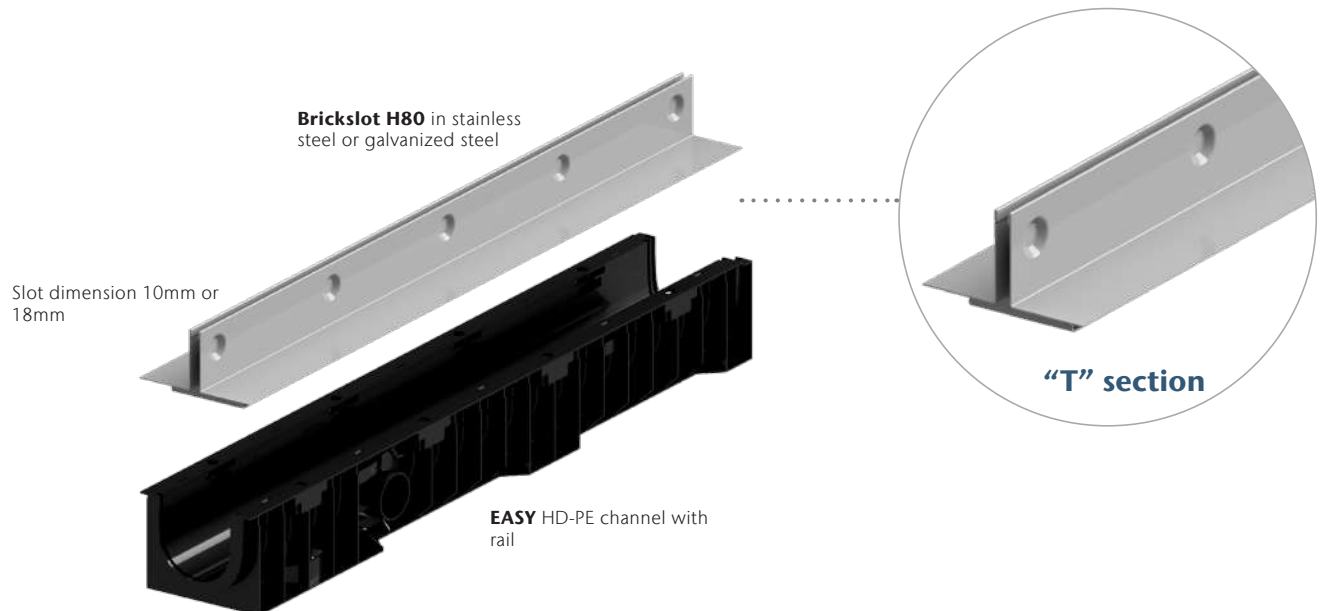
## System overview



## Detail of the installed channel



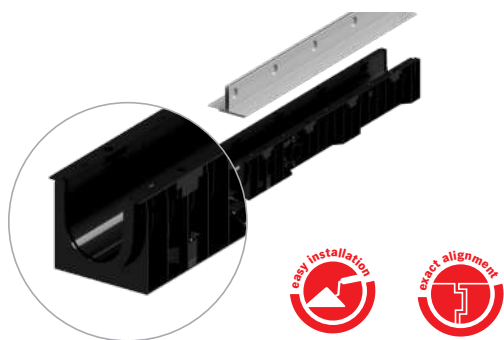
# Mufledrain Brickslot “T” section with EASY channel body



## Main Features

- “T” section made in stainless steel AISI 304 or in galvanized steel
- Dimension of slot 10mm
- Suitable for surfaces paved with block stones (60-70mm high)
- Load class C250
- The drainage system can be completely inspected thanks to inspection element
- The inspection element can be installed on Easy channel or sump unit
- Certified in accordance to EN 1433

## Designed for professional drainage



BrickSlot H80 "T" section is designed for **EASY** channel made of HD-PE with no rails.

The absence of the rail ensures that the grating completely covers the channel.

BrickSlot H80 "T" section can be installed on Easy 100 in all its internal heights: 55, 80, 100, and 160mm.



Ideal for areas paved with stones, concrete and paving, all materials used in squares, fountains, private roads and places with paving blocks up to 70mm).

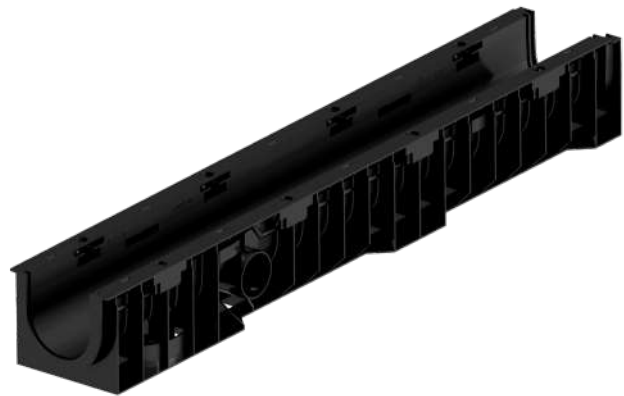
The drainage system with the Brickslot represents one of the possible types of water drainage and can be considered a valid alternative to the traditional gratings.

Brickslot H80 can be installed on EASY. The channel together with Brickslot H80 create a drainage system that appears to be a thin continuous line perfectly integrated into the surrounding, making it invisible in the architectural context or in urban landscape.

# Mufledrain Easy 100

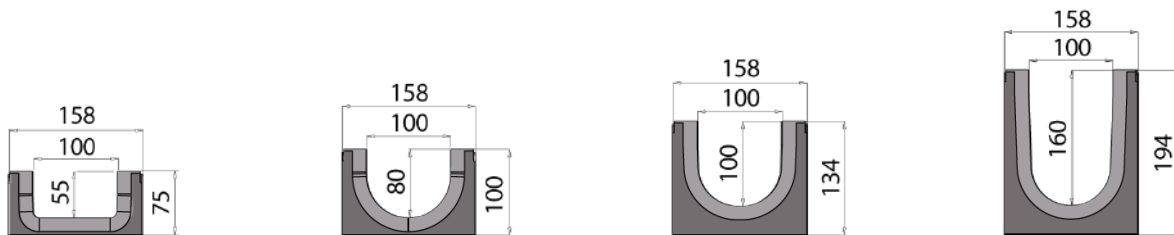
## Product information

- HD-PE drainage channel, internal width: 100 mm
- Load class A15, B125 and C250 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channel H55 and H80 mm; knockout on all other sizes
- Special parts for corners, T-couplings and cross-couplings are available on request



## Mufledrain Easy 100 channel

**Length 1000 mm, total width 158 mm**

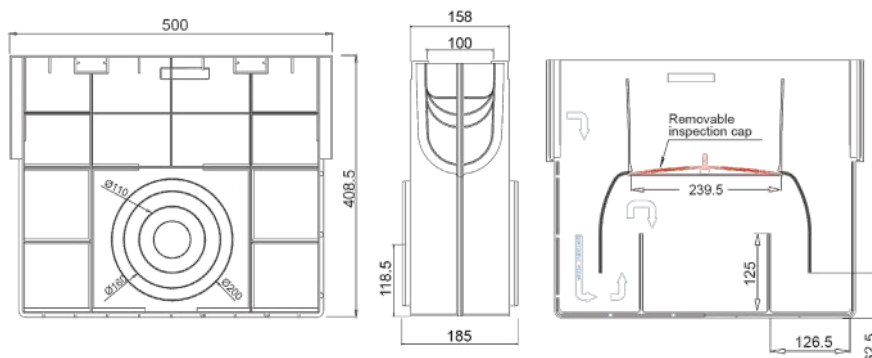


| Total height                                     | Internal height | Ø side outlet | Ø Vertical outlet | Weight  | Pieces/pallet<br>(100X120) | Article<br>number | Euro/Pc |
|--------------------------------------------------|-----------------|---------------|-------------------|---------|----------------------------|-------------------|---------|
| [mm]                                             | [mm]            | [mm]          | [mm]              | [kg/pc] |                            |                   |         |
| <b>Channel with vertical outlet kit Ø100/110</b> |                 |               |                   |         |                            |                   |         |
| 75                                               | 55              | 2 x Ø40       | 1 x Ø100/110      | 1,40    | 98                         | 700007            |         |
| 100                                              | 80              | 2 x Ø63       | 1 x Ø100/110      | 1,60    | 70                         | 700006            |         |
| <b>Channel with vertical outlet Ø110</b>         |                 |               |                   |         |                            |                   |         |
| 134                                              | 100             | 2 x Ø63       | 1 x Ø110          | 1,90    | 56                         | 700001            |         |
| 194                                              | 160             | 2 x Ø110      | 1 x Ø110          | 2,40    | 42                         | 700000            |         |

## Mufledrain Easy 100 channel accessories

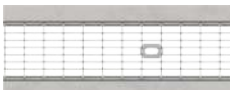
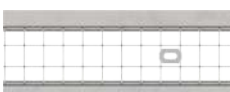
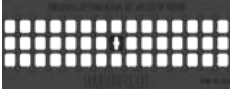
| Image                                                                             | Description                           | For channel<br>internal height<br>[mm] | Material | Article<br>number |
|-----------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|----------|-------------------|
|  | Closed end-cap                        | 55                                     | PE       | 700508            |
|                                                                                   |                                       | 80                                     | PE       | 700509            |
|                                                                                   |                                       | 100                                    | PE       | 700510            |
|                                                                                   |                                       | 160                                    | PE       | 700511            |
|  | Ø40 outlet end-cap                    | 55                                     | PE       | 700500            |
|                                                                                   | Ø50 outlet end-cap                    | 80                                     | PE       | 700521            |
|                                                                                   | Ø75 outlet end-cap                    | 100                                    | PE       | 700522            |
|                                                                                   |                                       | 160                                    | PE       | 700523            |
|  | Vertical outlet KIT Ø100              | 55/80                                  | PE       | 506114            |
|                                                                                   | Vertical outlet KIT Ø110              | 55/80                                  | PE       | 506115            |
|  | Step connectors from 100 mm to 160 mm | -                                      | Composit | 700516            |
|  | Bituminous sealant                    | -                                      | -        | 500345            |

## Mufledrain Easy 100 sump unit



| Description                             | Material | Height | Width | Length | Ø side outlet              | Weight  | Article<br>number |
|-----------------------------------------|----------|--------|-------|--------|----------------------------|---------|-------------------|
|                                         |          | [mm]   | [mm]  | [mm]   | [mm]                       | [kg/pc] |                   |
| Sump unit with female-female connection | PE       | 408,5  | 158   | 500    | 2xØ110<br>2xØ160<br>2xØ200 | 2,50    | 700008            |

## Mufledrain Easy 100 channel gratings

| Image                                                                             | Description                     | Fixing system               | Width<br>[mm] | Length<br>[mm] | Slot/mesh<br>[mm] | Weight<br>[kg/pc] | Article number |
|-----------------------------------------------------------------------------------|---------------------------------|-----------------------------|---------------|----------------|-------------------|-------------------|----------------|
| <b>A 15</b>                                                                       |                                 |                             |               |                |                   |                   |                |
|   | Galvanized steel slot           | Bolt and bar (not included) | 154           | 998            | 83 x 8,5          | 1,80              | 500109         |
|   | Stainless steel slot            | Bolt and bar (not included) | 154           | 998            | 83 x 8,5          | 1,80              | 500111         |
| <b>B 125</b>                                                                      |                                 |                             |               |                |                   |                   |                |
|   | Galvanized steel heel safe mesh | Bolt and bar (not included) | 154           | 998            | 33 x 15           | 3,90              | 500105         |
|   | Stainless steel heel safe mesh  | Bolt and bar (not included) | 154           | 998            | 33 x 15           | 3,90              | 500104         |
|   | Galvanized steel square mesh    | Bolt and bar (not included) | 154           | 998            | 34,2 x 32,2       | 3,30              | 500106         |
|   | Stainless steel square mesh     | Bolt and bar (not included) | 154           | 998            | 34,2 x 32,2       | 3,30              | 500108         |
|   | Ductile iron mesh               | Bolt and bar (not included) | 154           | 498            | 21,5 x 17,5       | 3,00              | 500143         |
| <b>C 250</b>                                                                      |                                 |                             |               |                |                   |                   |                |
|  | Ductile iron 13mm Slot          | Bolt and bar (not included) | 154           | 498            | 80,0 x 13,0       | 4,20              | 500144         |

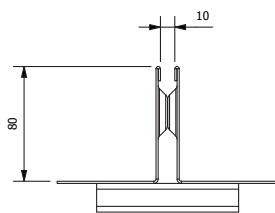
## Mufledrain Easy 100 gratings accessories

| Image                                                                               | Description                                   | Material         | Valid for                                     | Article number        |
|-------------------------------------------------------------------------------------|-----------------------------------------------|------------------|-----------------------------------------------|-----------------------|
|  | Bolt and bar kit + M8x40 TBL combi screw      | Galvanized steel | Mufledrain Easy 100 galvanized steel gratings | 500412 <sup>(1)</sup> |
|                                                                                     |                                               | Stainless steel  | Mufledrain Easy 100 stainless steel gratings  | 500413 <sup>(1)</sup> |
|  | Bolt and bar kit + M8x40 black hex head screw | Galvanized steel | Mufledrain Easy 100 ductile iron gratings     | 500414 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

## Mufledrain Brickslot for Easy 100

- Brickslot in Galvanized steel
- “T” profile
- 10mm slot
- Load class C250



|                                                                                     | Material         | Dimensions |       |        | Slot | Class Load | Weight [kg] | Artic. Num. |
|-------------------------------------------------------------------------------------|------------------|------------|-------|--------|------|------------|-------------|-------------|
|                                                                                     |                  | Lenght     | Width | Height |      |            |             |             |
|                                                                                     |                  | [mm]       | [mm]  | [mm]   |      |            |             |             |
|   | Galvanized steel | 1000       | 154   | 80     | 10   | C250       | 4,40        | 503600      |
|                                                                                     | Stainless steel  | 1000       | 154   | 80     | 10   | C250       | 4,40        | 503603      |
|  | Galvanized steel | 500        | 154   | 80     | 10   | C250       | 2,30        | 503601      |
|                                                                                     | Stainless steel  | 500        | 154   | 80     | 10   | C250       | 2,30        | 503604      |
|  | Galvanized steel | 500        | 154   | 80     | 10   | C250       | 4,90        | 503602      |
|                                                                                     | Stainless steel  | 500        | 154   | 80     | 10   | C250       | 4,90        | 503605      |

# Mufledrain Easy 150

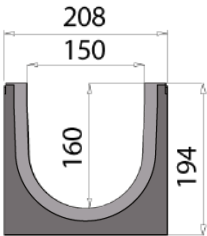
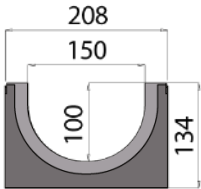
Product information

- HD-PE drainage channel, internal width: 150 mm
- Load class A15, B125 and C250 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Special parts for corners, T-couplings and cross-couplings are available on request



## Mufledrain Easy 150 channel

Length 1000 mm, total width 208 mm

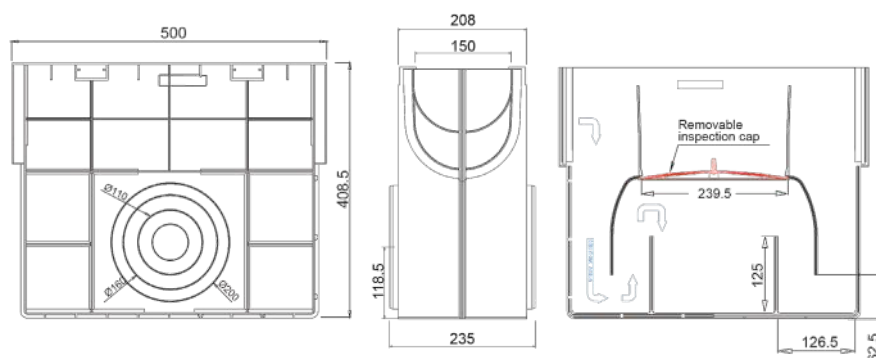


| Total height                          | Internal height | Ø Side outlet | Ø Vertical outlet | Weight  | Pieces/pallet<br>(100X120) | Article<br>number |
|---------------------------------------|-----------------|---------------|-------------------|---------|----------------------------|-------------------|
| [mm]                                  | [mm]            | [mm]          | [mm]              | [kg/pc] |                            |                   |
| Channel with Vertical outlet Ø110/160 |                 |               |                   |         |                            |                   |
| 134                                   | 100             | 2 x Ø63       | 1 x Ø110/160      | 2,30    | 40                         | 700003            |
| 194                                   | 160             | 2 x Ø110      | 1 x Ø110/160      | 2,85    | 30                         | 700002            |

## Mufledrain Easy 150 channel accessories

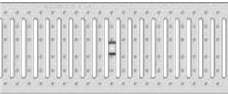
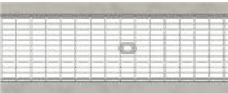
| Image                                                                             | Description                                | For channel<br>internal height<br>[mm] | Material | Article<br>number |
|-----------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------|----------|-------------------|
|  | Closed end-cap                             | 100                                    | PE       | 700512            |
|                                                                                   |                                            | 160                                    | PE       | 700513            |
|  | Ø75 outlet end-cap                         | 100                                    | PE       | 700524            |
|                                                                                   | Ø110 outlet end-cap                        | 160                                    | PE       | 700505            |
|  | Step connectors from<br>150/100 to 150/160 | -                                      | Composit | 700517            |
|  | Bituminous sealant                         | -                                      | -        | 500345            |

## Mufledrain Easy 150 sump unit



| Description                             | Material | Height | Width | Lenght | Ø Side Outlet              | Weight  | Article<br>Number |
|-----------------------------------------|----------|--------|-------|--------|----------------------------|---------|-------------------|
|                                         |          | [mm]   | [mm]  | [mm]   | [mm]                       | [kg/pc] |                   |
| Sump unit with female-female connection | PE       | 408,5  | 208   | 500    | 2xØ110<br>2xØ160<br>2xØ200 | 2,78    | 700009            |

## Mufledrain Easy 150 channel gratings

| Image                                                                             | Description                     | Fixing System                  | Width<br>[mm] | Length<br>[mm] | Slot/Mesh<br>[mm] | Weight<br>[kg/pc] | Article<br>Number |
|-----------------------------------------------------------------------------------|---------------------------------|--------------------------------|---------------|----------------|-------------------|-------------------|-------------------|
| <b>A 15</b>                                                                       |                                 |                                |               |                |                   |                   |                   |
|   | Galvanized steel slot           | Bolt and bar<br>(not included) | 204           | 998            | 130 x 8.5         | 3,00              | 500123            |
|   | Stainless steel slot            | Bolt and bar<br>(not included) | 204           | 998            | 130 x 8.5         | 3,30              | 500124            |
| <b>B 125</b>                                                                      |                                 |                                |               |                |                   |                   |                   |
|   | Galvanized steel heel safe mesh | Bolt and bar<br>(not included) | 204           | 998            | 33 x 15           | 5,40              | 500117            |
|   | Stainless steel heel safe mesh  | Bolt and bar<br>(not included) | 204           | 998            | 33 x 15           | 5,40              | 500119            |
|   | Galvanized steel square mesh    | Bolt and bar<br>(not included) | 204           | 998            | 34,2 x 32,2       | 4,60              | 500120            |
|   | Stainless steel square mesh     | Bolt and bar<br>(not included) | 204           | 998            | 34,2 x 32,2       | 4,60              | 500122            |
|   | Ductile iron mesh               | Bolt and bar<br>(not included) | 204           | 498            | 21.5 x 17,5       | 4,70              | 500149            |
| <b>C 250</b>                                                                      |                                 |                                |               |                |                   |                   |                   |
|  | Ductile iron 13 mm Slot         | Bolt and bar<br>(not included) | 204           | 498            | 130 x 13          | 5,50              | 500151            |

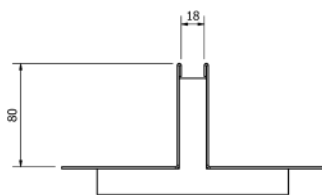
## Mufledrain Easy 150 grating accessories

| Image                                                                               | Description                                      | Material         | Valid for                                        | Article<br>Number     |
|-------------------------------------------------------------------------------------|--------------------------------------------------|------------------|--------------------------------------------------|-----------------------|
|  | Bolt and bar kit + M8x40<br>TBL combi screw      | Galvanized steel | Mufledrain Easy 150<br>galvanized steel gratings | 500415 <sup>(1)</sup> |
|                                                                                     |                                                  | Stainless steel  | Mufledrain Easy 150<br>stainless steel gratings  | 500416 <sup>(1)</sup> |
|  | Bolt and bar kit + M8x40<br>black hex head screw | Galvanized steel | Mufledrain Easy 150<br>ductile iron gratings     | 500417 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

## Mufledrain Brickslot for Easy 150

- Brickslot in Galvanized steel
- "T" profile
- 18mm slot
- Load class C250



|                                                                                     | Material         | Dimensions |       |        | Slot | Class Load | Weight | Artic. Num. |
|-------------------------------------------------------------------------------------|------------------|------------|-------|--------|------|------------|--------|-------------|
|                                                                                     |                  | Lenght     | Width | Height |      |            |        |             |
|                                                                                     |                  | [mm]       | [mm]  | [mm]   | [mm] |            | [kg]   |             |
|   | Galvanized steel | 1000       | 204   | 80     | 18   | C250       | 5,50   | 500208      |
|                                                                                     | Stainless steel  | 1000       | 204   | 80     | 18   | C250       | 5,50   | 500244      |
|  | Galvanized steel | 500        | 204   | 80     | 18   | C250       | 2,75   | 500364      |
|                                                                                     | Stainless steel  | 500        | 204   | 80     | 18   | C250       | 2,75   | 500365      |
|  | Galvanized steel | 500        | 204   | 80     | 18   | C250       | 5,60   | 500370      |
|                                                                                     | Stainless steel  | 500        | 204   | 80     | 18   | C250       | 5,60   | 500233      |

# Mufledrain Easy 200

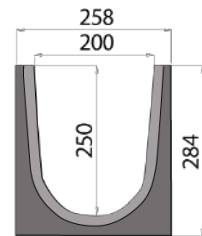
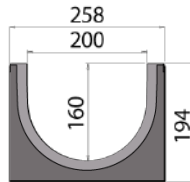
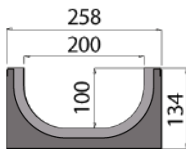
## Product information

- HD-PE drainage channel, internal width: 200 mm
- Load class A15, B125 and C250 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Special parts for corners, T-couplings and cross-couplings are available on request



## Mufledrain Easy 200 channel

Length 1000 mm, total width 258 mm

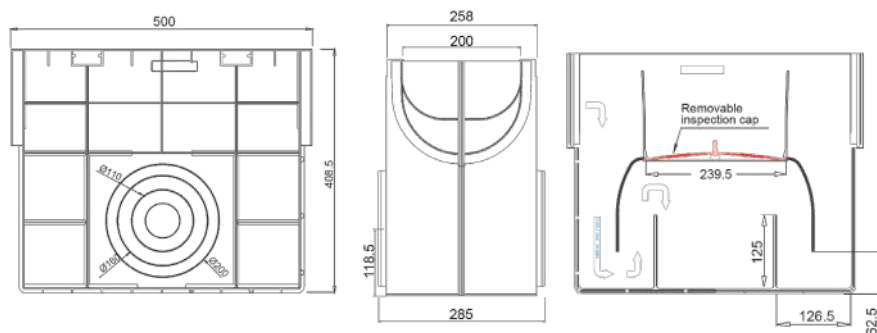


| Total height                                 | Internal height | Ø side outlet | Ø Vertical outlet | Weight  | Pieces/<br>Pallet (100X120) | Article<br>number |
|----------------------------------------------|-----------------|---------------|-------------------|---------|-----------------------------|-------------------|
| [mm]                                         | [mm]            | [mm]          | [mm]              | [kg/pc] |                             |                   |
| <b>Channel with Vertical outlet Ø200/160</b> |                 |               |                   |         |                             |                   |
| 134                                          | 100             | 2 x Ø63       | 1 x Ø200/160      | 2,65    | 32                          | 700005            |
| 194                                          | 160             | 2 x Ø110      | 1 x Ø200/160      | 3,25    | 24                          | 700004            |
| 284                                          | 250             | 2 x Ø160/200  | 1 x Ø200/160      | 4,80    | 16                          | 500013            |

## Mufledrain Easy 200 channel accessories

| Image                                                                              | Description                           | For channel<br>internal height<br>[mm] | Material | Article<br>number | EuroPc |
|------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|----------|-------------------|--------|
|   | Closed end-cap                        | 100                                    | PE       | 700514            |        |
|                                                                                    |                                       | 160                                    | PE       | 700515            |        |
|   | Ø75 outlet end-cap                    | 100                                    | PE       | 700526            |        |
|                                                                                    | Ø110 outlet end-cap                   | 160                                    | PE       | 700507            |        |
|   | Closed end-cap with Ø160 knockout     | 250                                    | PE       | 502416            |        |
|   | Step connectors from 100 mm to 160 mm | -                                      | Composit | 700519            |        |
|                                                                                    | Step connectors from 160 mm to 250 mm | -                                      | Composit | 700518            |        |
|  | Bituminous sealant                    | -                                      | -        | 500345            |        |

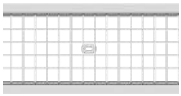
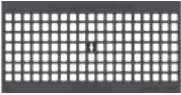
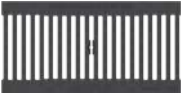
## Mufledrain Easy 200 sump unit



| Description                             | Material | Height<br>[mm] | Width<br>[mm] | Length<br>[mm] | Ø side outlet<br>[mm]      | Weight<br>[kg/pc] | Article<br>number     |
|-----------------------------------------|----------|----------------|---------------|----------------|----------------------------|-------------------|-----------------------|
| Sump unit with female-female connection | PE       | 408,5          | 258           | 500            | 2xØ110<br>2xØ160<br>2xØ200 | 3,00              | 700010 <sup>(1)</sup> |

<sup>(1)</sup>It is not designed for connection to H250 channels

## Mufledrain Easy 200 gratings

| Image                                                                              | Description                     | Fixing system                  | Width<br>[mm] | Length<br>[mm] | Slot/Mesh<br>[mm] | Weight<br>[kg/pc] | Article<br>number |
|------------------------------------------------------------------------------------|---------------------------------|--------------------------------|---------------|----------------|-------------------|-------------------|-------------------|
| <b>A 15</b>                                                                        |                                 |                                |               |                |                   |                   |                   |
|   | Galvanized steel slot           | Bolt and bar<br>(not included) | 254           | 998            | 130 x 8,5         | 5,00              | 500135            |
|                                                                                    | Stainless steel slot            | Bolt and bar<br>(not included) | 254           | 998            | 130 x 8,5         | 3,90              | 500255            |
| <b>B 125</b>                                                                       |                                 |                                |               |                |                   |                   |                   |
|   | Galvanized steel heel safe mesh | Bolt and bar<br>(not included) | 254           | 998            | 33 x 15           | 6,60              | 500131            |
|                                                                                    | Stainless steel heel safe mesh  | Bolt and bar<br>(not included) | 254           | 998            | 33 x 15           | 6,60              | 500132            |
|   | Galvanized steel square mesh    | Bolt and bar<br>(not included) | 254           | 998            | 34.2 x 32,2       | 5,20              | 500133            |
|                                                                                    | Stainless steel square mesh     | Bolt and bar<br>(not included) | 254           | 998            | 34.2 x 32,2       | 5,20              | 500134            |
|   | Ductile iron mesh               | Bolt and bar<br>(not included) | 254           | 498            | 21.5 x 17,5       | 5,85              | 500154            |
| <b>C 250</b>                                                                       |                                 |                                |               |                |                   |                   |                   |
|  | Ductile iron 13 mm slot         | Bolt and bar<br>(not included) | 254           | 498            | 180 x 13          | 7,20              | 500155            |

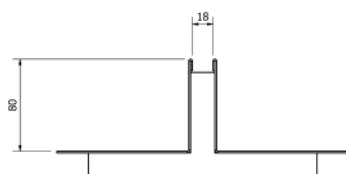
## Mufledrain Easy 200 grating accessories

| Image                                                                               | Description                                      | Material         | Valid for                                        | Article<br>number     |
|-------------------------------------------------------------------------------------|--------------------------------------------------|------------------|--------------------------------------------------|-----------------------|
|  | Bolt and bar kit + M8x40<br>TBL combi screw      | Galvanized steel | Mufledrain Easy 200<br>galvanized steel gratings | 500418 <sup>(1)</sup> |
|                                                                                     |                                                  | Stainless steel  | Mufledrain Easy 200<br>stainless steel gratings  | 500419 <sup>(1)</sup> |
|  | Bolt and bar kit + M8x40<br>black hex head screw | Galvanized steel | Mufledrain Easy 200<br>ductile iron gratings     | 500420 <sup>(1)</sup> |

<sup>(1)</sup>Valid for 1 meter of channel

## Mufledrain Brickslot for Easy 200

- Brickslot in Galvanized steel
- "T" profile
- 18mm slot
- Load class C250



|                                                                                     | Material         | Dimensions |       |        | Slot | Class Load | Weight | Artic. Num. |
|-------------------------------------------------------------------------------------|------------------|------------|-------|--------|------|------------|--------|-------------|
|                                                                                     |                  | Lenght     | Width | Height |      |            |        |             |
|                                                                                     |                  | [mm]       | [mm]  | [mm]   |      |            | [kg]   |             |
|   | Galvanized steel | 1000       | 245   | 80     | 18   | C250       | 6,50   | 500210      |
|                                                                                     | Stainless steel  | 1000       | 245   | 80     | 18   | C250       | 6,50   | 500246      |
|  | Galvanized steel | 500        | 245   | 80     | 18   | C250       | 3,25   | 500368      |
|                                                                                     | Stainless steel  | 500        | 245   | 80     | 18   | C250       | 3,25   | 500369      |
|  | Galvanized steel | 500        | 245   | 80     | 18   | C250       | 6,00   | 500223      |
|                                                                                     | Stainless steel  | 500        | 245   | 80     | 18   | C250       | 6,00   | 500235      |

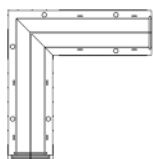


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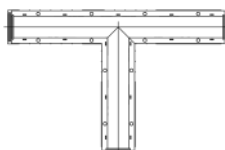
Mufledrain range  
Special parts

## Mufledrain range special parts

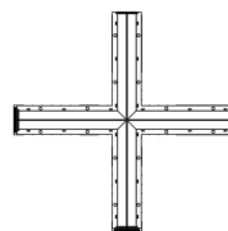
### 90° corner



### "T" special part



### Cross special part

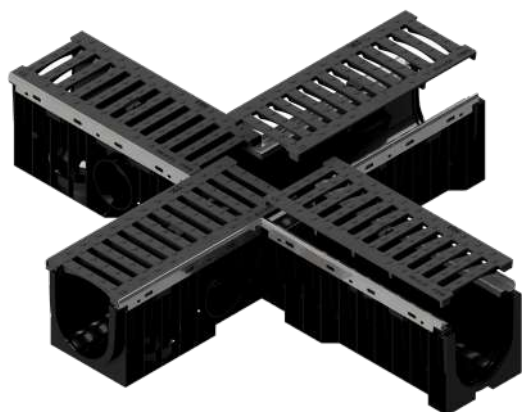
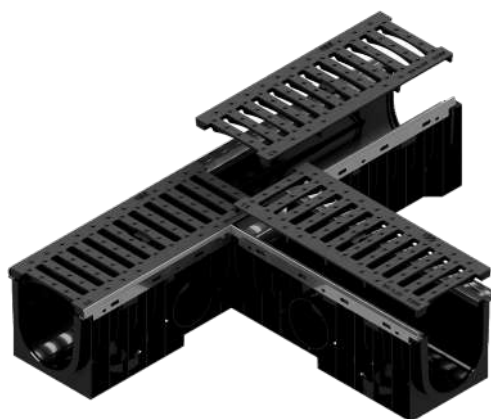


### Article numbers and prices on request



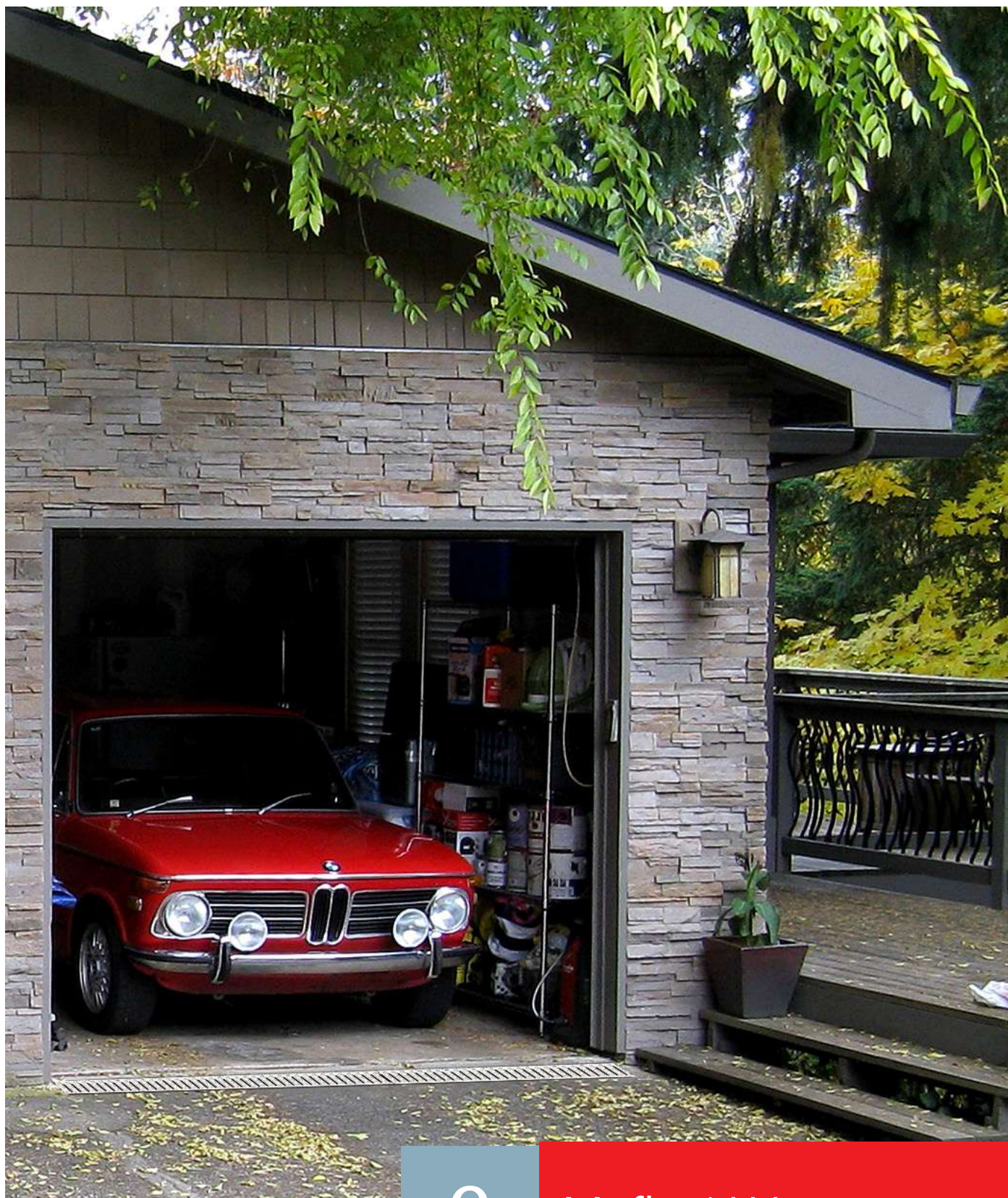
#### Main Features

- Special parts are available for all the Mufledrain ranges
- Ductile iron, galvanized steel, stainless steel, HD-PE rail.
- Left or right 90° corners
- Left or right "T" special part
- Left or right cross special part
- Fixing system for each gratings
- Custom lenght special parts





Declaration of performance at:  
**[www.mufle.com](http://www.mufle.com)**



9

Mufle 4ALL

# Mufle 4ALL: excellent performance for everyone

**Mufle 4ALL** is the ENTRY LEVEL range produced by MUFLE, equipped with all the features necessary to obtain safe and efficient drainage.

The smooth and waterproof surface, the lightness, the special compact geometry and the guaranteed performances for the load classes A15 and B125, are the main features that make the Mufle 4ALL range unique in its kind.

The range includes two different heights: the **Mufle 4ALL H92** with 90mm internal height and the **Mufle 4ALL H50** with the internal dimension of 30mm height. Thanks to these solutions, the Mufle 4ALL range can be installed and put into operation in a simple and easy way, without the help of special professional equipment, and this is precisely what makes it a product for everyone.

The gratings are fixed to the channel through a mechanical system with hooks, that do not require the use of bolts or nuts or special tools; an innovation that definitely simplifies the most traditional fixing systems.

The different models of Mufle 4ALL can all claim of being CE marked, answering in this way to all the requirements of the European reference standard EN1433.

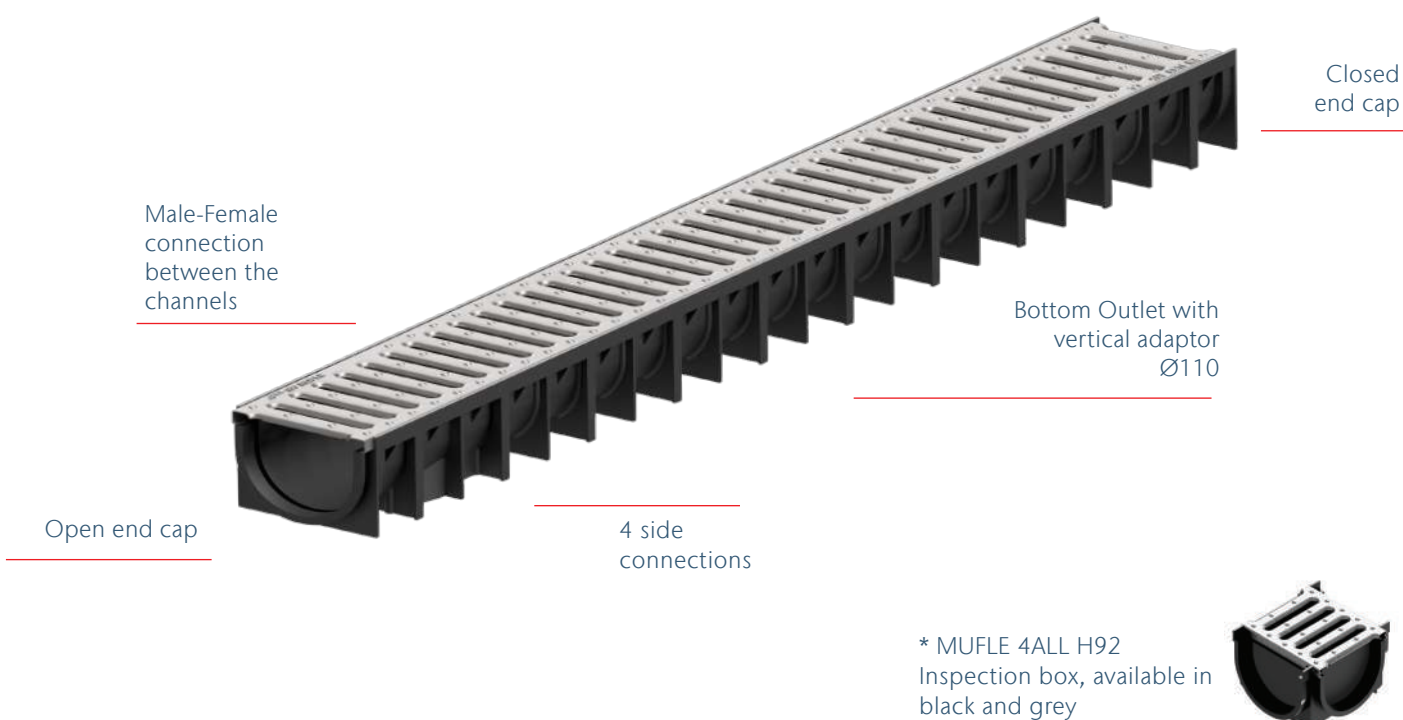
To protect and guarantee the declared and expected performance throughout its useful life in operation, the entire production chain is subject to strict quality controls that go well beyond those indicated as “minimum” by legislation.



## Typical Applications

- Green areas
- Pedestrian areas and cycle paths
- Terraces and balconies

# Mufle 4ALL H92 system overview

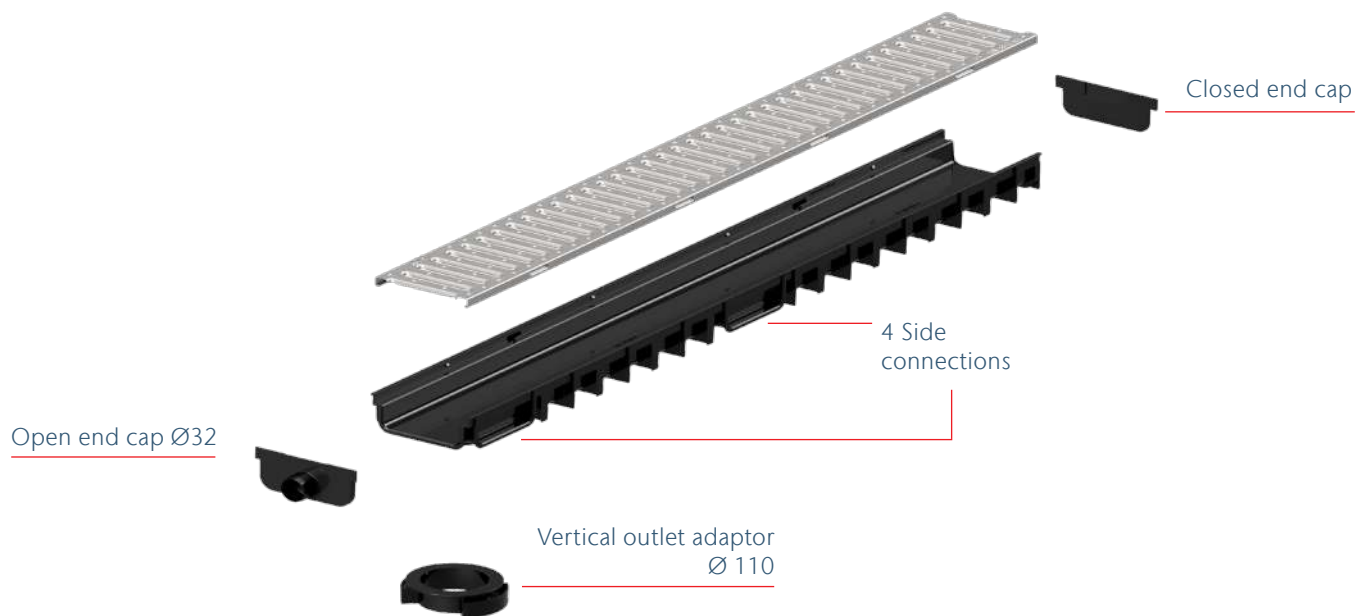


The perfect solution for your outdoor areas



# Mufle 4ALL H50 system overview

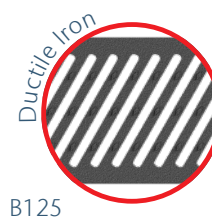
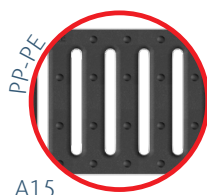
Functional system and minimal design



## Standard gratings and design gratings

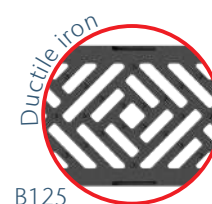
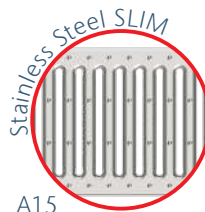
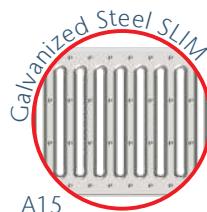
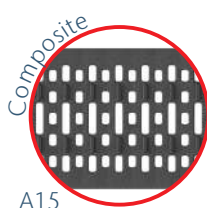
### STANDARD GRATINGS

Load Class



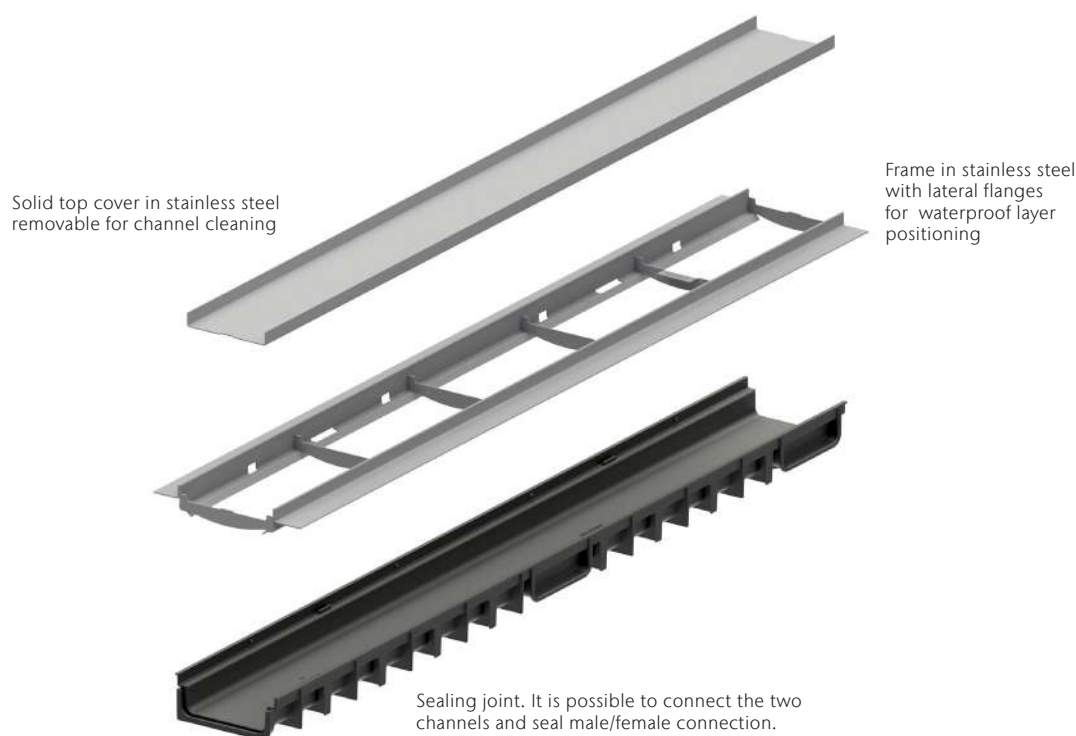
### DESIGN GRATINGS

Load Class

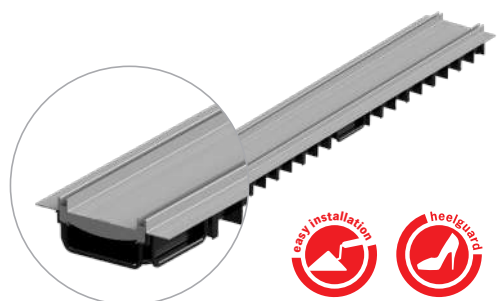


# Mufle 4ALL H50 channel body combined with Tile grating

Functional system and minimal design



## Tile grating Stainless steel

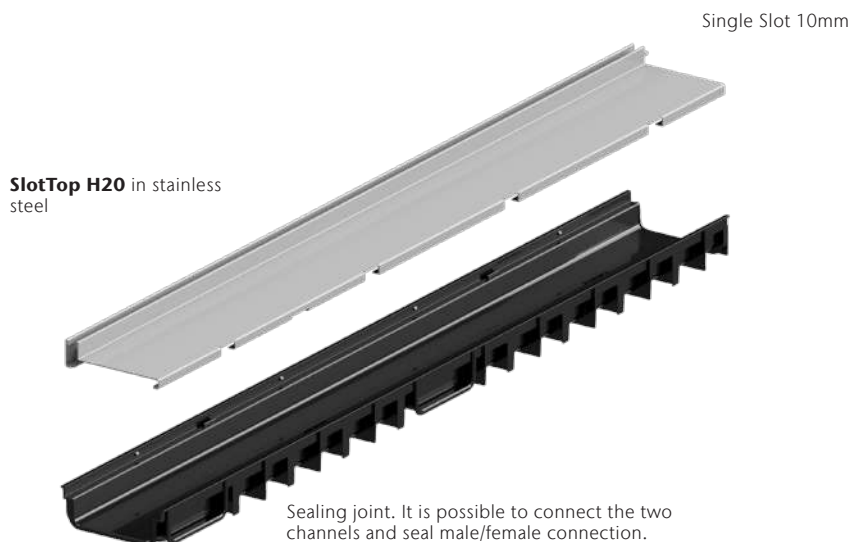


## Main characteristics and advantages

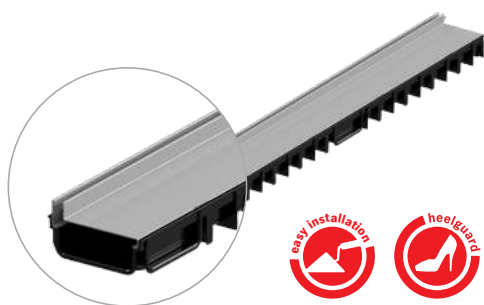
- Drainage system composed by Mufle 4ALL channel and Tile grating
- Stainless steel grade AISI 304 (on request AISI 316)
- Slot dimension 8mm
- Suitable for surfaces paved with low tiles and swimming pool area
- Load Class A15
- The drainage system can be completely inspected and does not require any additional elements for inspection
- It is possible to create corners without interrupting the drainage line using special corner pieces
- Total height Mufle 4ALL H50 and Tile : 67mm
- Easy to install and transport

# Mufle 4ALL H50 channel body combined with SlotTop H20 (available also for Mufle 4ALL H92)

Functional system and minimal design



## **SlotTop H20** Stainless steel

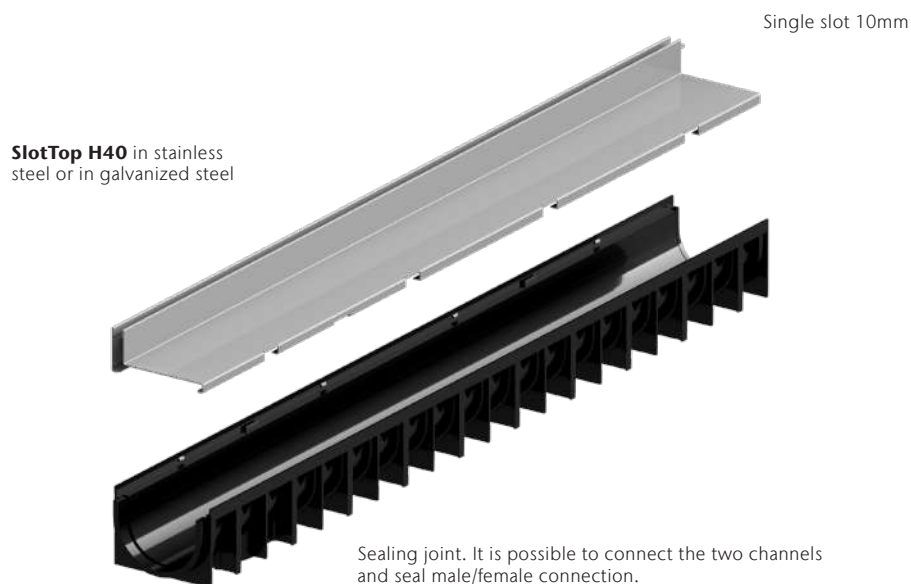


## Main characteristics and advantages

- Drainage system composed by Mufle 4ALL channel and SlotTop H20 grating
- Stainless steel grade AISI 304
- Slot dimension 10mm
- Suitable for surfaces paved with 15mm thick tiles.
- Inspection elements: linear, with right curve or with left curve
- SlotTop H20 grating and Mufle 4ALL H50 channel can create a 90° corner without interruption on the drainage line
- Certified in accordance to EN 1433: A15 load class
- Total height Easyline H50 and SlotTop H20 : 70mm
- Total height Easyline H90 and SlotTop H20 : 110mm
- Easy to install and transport

# Mufle 4ALL H92 channel body combined with SlotTop H40 (available also for Mufle 4ALL H50)

Functional system and minimal design



**SlotTop H40**  
Stainless steel  
Galvanized steel



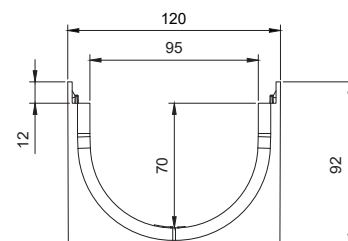
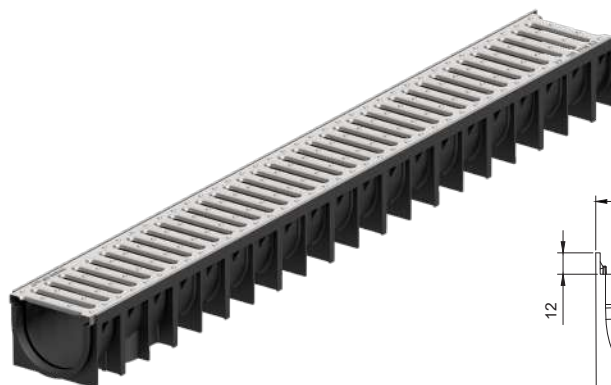
## Main characteristics and advantages

- Drainage system composed by Mufle 4ALL channel and SlotTop H40 grating
- Stainless steel grade AISI 304 and galvanized steel
- Slot dimension 10mm
- Suitable for paved surfaces with max 30mm thick tiles, stones
- Inspection elements: linear, with right curve or with left curve
- SlotTop H40 grating and Mufle 4ALL H50 channel can create a 90° corner without interruption on the drainage line
- Certified in accordance to EN 1433: load class B125
- Total height Mufle 4ALL H50 and SlotTop H40 : 90mm
- Total height Mufle 4ALL H92 and SlotTop H40 : 132mm
- Easy to install and transport

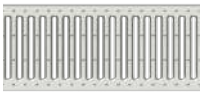
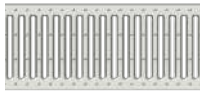
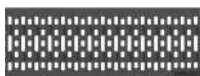
# Mufle 4ALL H92, Black

## Product information

- PP-PE channel BLACK
- Channel internal size (WxH): 95 x 70 mm
- PP-PE rail
- Gratings load classes A15, B125
- Built-in fixing system
- Available in Black and Grey color



## Mufle 4ALL H92 **combined with** design gratings

| Image                                                                               | Description                   | Slot | Width | Length | Height | Weight | Pieces/<br>pallet<br>(80X120) | Article<br>number |
|-------------------------------------------------------------------------------------|-------------------------------|------|-------|--------|--------|--------|-------------------------------|-------------------|
|                                                                                     |                               | [mm] | [mm]  | [mm]   | [mm]   | [Kg]   | [n.]                          |                   |
| <b>A15</b>                                                                          |                               |      |       |        |        |        |                               |                   |
|  | Galvanized steel<br>PORTOFINO | 5    | 120   | 1000   | 90     | 2,05   | 72                            | 613038            |
|  | Stainless steel<br>PORTOFINO  | 5    | 120   | 1000   | 90     | 2,10   | 72                            | 613040            |
| <b>B125</b>                                                                         |                               |      |       |        |        |        |                               |                   |
|  | Ductile iron<br>CAPRI         | 8    | 120   | 1000   | 90     | 5,50   | 72                            | 613035            |
|  | Composite<br>AMALFI           | 6    | 120   | 1000   | 90     | 2,75   | 72                            | 613033            |

## Mufle 4ALL H92 **combined with** standard gratings

| Image                                                                             | Description      | Slot | Width | Length | Height | Weight | Pieces/<br>pallet<br>(80X120) | Article<br>number |
|-----------------------------------------------------------------------------------|------------------|------|-------|--------|--------|--------|-------------------------------|-------------------|
|                                                                                   |                  | [mm] | [mm]  | [mm]   | [mm]   | [Kg]   | [n.]                          |                   |
| <b>A15</b>                                                                        |                  |      |       |        |        |        |                               |                   |
|   | PP-PE            | 8    | 120   | 1000   | 90     | 1,50   | 72                            | 613005            |
|   | Galvanized steel | 8    | 120   | 1000   | 90     | 1,85   | 72                            | 613000            |
|   | Stainless steel  | 8    | 120   | 1000   | 90     | 2,10   | 72                            | 613016            |
| <b>B125</b>                                                                       |                  |      |       |        |        |        |                               |                   |
|  | Ductile iron     | 6    | 120   | 1000   | 90     | 5,80   | 72                            | 613030            |

## Mufle 4ALL H92 Black inspection box

- It allows to add a side knockout to the channel
- It allows to make cross, "T" and "L" couplings



| Grating Type               | Dimensions |        |       |        | Pc/Box | Artic. Num. |
|----------------------------|------------|--------|-------|--------|--------|-------------|
|                            | Slot       | Length | Width | Height |        |             |
|                            | [mm]       | [mm]   | [mm]  | [mm]   | [n.]   |             |
| PP-PE                      | 8          | 145    | 120   | 92     | 20     | 613201      |
| Galvanized steel           | 8          | 145    | 120   | 92     | 20     | 613200      |
| Stainless steel            | 8          | 145    | 120   | 92     | 20     | 613204      |
| Ductile iron               | 6          | 145    | 120   | 92     | 20     | 613206      |
| Galvanized steel PORTOFINO | 5          | 145    | 120   | 92     | 20     | 613207      |
| Stainless steel PORTOFINO  | 5          | 145    | 120   | 92     | 20     | 613209      |

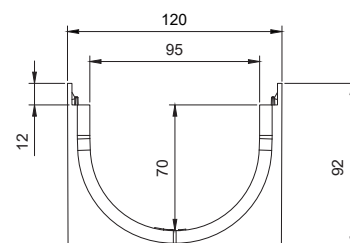
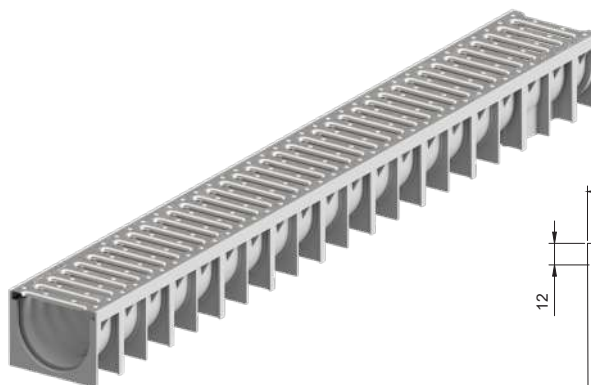
## Mufle 4ALL H92 Black accessories

| Description                                  | Pc/Box | Artic. Num. |
|----------------------------------------------|--------|-------------|
|                                              | [n.]   |             |
| 2 End Caps 100/70 + 1 Bottom Outlet Ø 110&75 | 50     | 513200      |
| 2 End Caps 100/70                            | 50     | 513203      |
| Bituminous sealant for PP-PE channels        | 1      | 500345      |

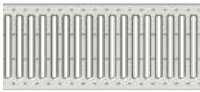
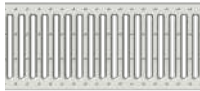
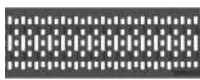
# Mufle 4ALL H92, Grey

## Product information

- PP-PE channel GREY
- Channel internal size (WxH): 95 x 70 mm
- PP-PE rail
- Gratings load classes A15, B125
- Built-in fixing system
- Available in Black and Grey color



## Mufle 4ALL H92 **combined with** design gratings

| Image                                                                               | Description                   | Slot | Width | Length | Height | Weight | Pieces/<br>pallet<br>(80X120) | Article<br>number |
|-------------------------------------------------------------------------------------|-------------------------------|------|-------|--------|--------|--------|-------------------------------|-------------------|
|                                                                                     |                               | [mm] | [mm]  | [mm]   | [mm]   | [Kg]   | [n.]                          |                   |
| <b>A15</b>                                                                          |                               |      |       |        |        |        |                               |                   |
|  | Galvanized steel<br>PORTOFINO | 5    | 120   | 1000   | 90     | 2,05   | 72                            | 613039            |
|  | Stainless steel<br>PORTOFINO  | 5    | 120   | 1000   | 90     | 2,10   | 72                            | 613041            |
| <b>B125</b>                                                                         |                               |      |       |        |        |        |                               |                   |
|  | Ductile iron<br>CAPRI         | 8    | 120   | 1000   | 90     | 5,50   | 72                            | 613047            |
|  | Composite<br>AMALFI           | 6    | 120   | 1000   | 90     | 2,75   | 72                            | 613048            |

## Mufle 4ALL H92 **combined with** standard gratings

| Image                                                                            | Description      | Slot | Width | Length | Height | Weight | Pieces/<br>pallet<br>(80X120) | Article<br>number |
|----------------------------------------------------------------------------------|------------------|------|-------|--------|--------|--------|-------------------------------|-------------------|
|                                                                                  |                  | [mm] | [mm]  | [mm]   | [mm]   | [Kg]   | [n.]                          |                   |
| <b>A15</b>                                                                       |                  |      |       |        |        |        |                               |                   |
|  | PP-PE            | 8    | 120   | 1000   | 90     | 1,50   | 72                            | 613006            |
|  | Galvanized steel | 8    | 120   | 1000   | 90     | 1,85   | 72                            | 613015            |
|  | Stainless steel  | 8    | 120   | 1000   | 90     | 2,10   | 72                            | 613022            |
| <b>B125</b>                                                                      |                  |      |       |        |        |        |                               |                   |
|  | Ductile iron     | 6    | 120   | 1000   | 90     | 5,80   | 72                            | 613042            |

## Mufle 4ALL H92 Grey inspection box

- It allows to add a side knockout to the channel
- It allows to make cross, "T" and "L" couplings



| Grating Type               | Dimensions |        |       |        | Pc/Box | Artic. Num. |
|----------------------------|------------|--------|-------|--------|--------|-------------|
|                            | Slot       | Length | Width | Height |        |             |
|                            | [mm]       | [mm]   | [mm]  | [mm]   | [n.]   |             |
| PP-PE                      | 8          | 145    | 120   | 92     | 20     | 613202      |
| Galvanized steel           | 8          | 145    | 120   | 92     | 20     | 613203      |
| Stainless steel            | 8          | 145    | 120   | 92     | 20     | 613205      |
| Ductile iron               | 6          | 145    | 120   | 92     | 20     | 613211      |
| Galvanized steel PORTOFINO | 5          | 145    | 120   | 92     | 20     | 613208      |
| Stainless steel PORTOFINO  | 5          | 145    | 120   | 92     | 20     | 613210      |

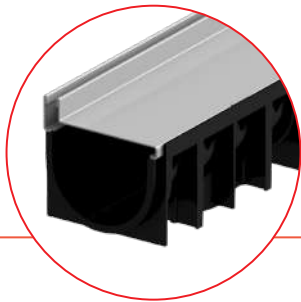
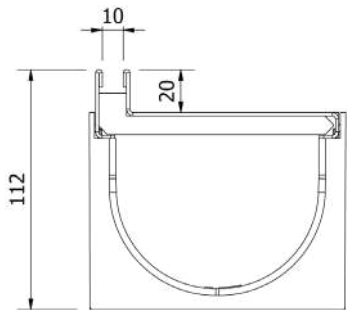
## Mufle 4ALL H92 Grey accessories

| Description                                  | Pc/Box | Artic. Num. |
|----------------------------------------------|--------|-------------|
|                                              | [n.]   |             |
| 2 End Caps 100/70 + 1 Bottom Outlet Ø 110&75 | 50     | 513205      |
| 2 End Caps 100/70                            | 50     | 513206      |
| Bituminous sealant for PP-PE channels        | 1      | 500345      |

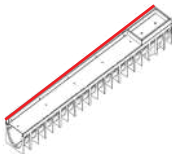
# Mufle 4ALL H92 channel body and SlotTop H20

Product information

- PP-PE channel 4ALL H92 and SlotTop H20
- SlotTop H20 in stainless steel AISI 304 (on request AISI 316)
- Load class A15
- Slot dimension 10mm
- Elements of inspection: linear
- Total height 112mm



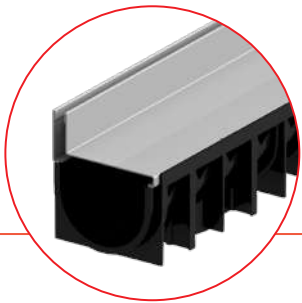
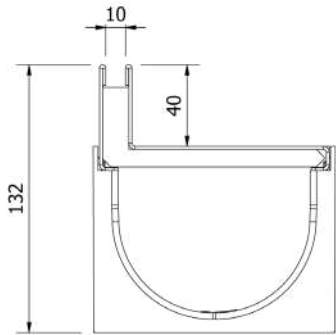
## Mufle 4ALL H92 channel with SlotTop H20

|                                                                                                                                                                         | Material        | Dimensions |       |        | Slot | Weight | Artic. Num |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------|--------|------|--------|------------|
|                                                                                                                                                                         |                 | Lenght     | Widht | Height |      |        |            |
|                                                                                                                                                                         |                 | [mm]       | [mm]  | [mm]   | [mm] | [kg]   |            |
|                                                                                      | Stainless steel | 1000       | 120   | 112    | 10   | 3,10   | 613310     |
| with inspection element                                                                                                                                                 |                 |            |       |        |      |        |            |
|   | Stainless steel | 1000       | 120   | 112    | 10   | 3,30   | 613311     |

# Mufle 4ALL H92 channel body and SlotTop H40

Product information

- PP-PE channel 4ALL H92 and SlotTop H40
- SlotTop H40 in stainless steel or galvanized steel
- Load class B125
- Slot dimension 10mm
- Elements of inspection: linear
- Total height 132mm



## Mufle 4ALL H92 channel with SlotTop H40

|                         | Material         | Dimensions |       |        | Slot | Weight | Artic. Num |
|-------------------------|------------------|------------|-------|--------|------|--------|------------|
|                         |                  | Lenght     | Widht | Height |      |        |            |
|                         |                  | [mm]       | [mm]  | [mm]   |      | [kg]   |            |
|                         | Galvanized steel | 1000       | 120   | 132    | 10   | 3,75   | 613320     |
|                         | Stainless steel  | 1000       | 120   | 132    | 10   | 3,75   | 613330     |
| with inspection element |                  |            |       |        |      |        |            |
|                         | Galvanized steel | 800        | 120   | 132    | 10   | 4,15   | 613321     |
|                         | Stainless steel  | 800        | 120   | 132    | 10   | 4,15   | 613331     |

# Mufle 4ALL H92 Garage pack, Black

## Product information

- The pack contains:  
num. 3 PP-PE black channels, num. 3 gratings, num. 2 end caps, num. 1 outlet and screws
- Channel internal size (WxH): 95 x 70 mm
- PP-PE rail
- Gratings load classes A15, B125
- Built-in fixing system



## Mufle 4ALL H92 Black

|                            |            | Dimensions |        |       |        |        | Pieces/<br>pallet<br>(80X120) | Artic. Num. |
|----------------------------|------------|------------|--------|-------|--------|--------|-------------------------------|-------------|
| Grating Type               | Load Class | Slot       | Length | Width | Height | Weight |                               |             |
|                            |            | [mm]       | [mm]   | [mm]  | [mm]   | [kg]   | [n.]                          |             |
| PP-PE                      | A15        | 8          | 1000   | 120   | 92     | 4,60   | 26                            | 613003      |
| Galvanized steel           | A15        | 8          | 1000   | 120   | 92     | 5,70   | 26                            | 613001      |
| Stainless steel            | A15        | 8          | 1000   | 120   | 92     | 6,50   | 26                            | 613017      |
| Ductile iron               | B125       | 6          | 1000   | 120   | 92     | 17,90  | 26                            | 613032      |
| Galvanized steel PORTOFINO | A15        | 5          | 1000   | 120   | 92     | 6,30   | 26                            | 613031      |
| Stainless steel PORTOFINO  | A15        | 5          | 1000   | 120   | 92     | 6,50   | 26                            | 613037      |
| Ductile iron CAPRI         | B125       | 8          | 1000   | 120   | 92     | 17,90  | 26                            | 613054      |
| Composite AMALFI           | B125       | 6          | 1000   | 120   | 92     | 8,50   | 26                            | 613034      |

## Mufle 4ALL H92 Black accessories

| Description                                  | Pc/Box | Artic. Num. |
|----------------------------------------------|--------|-------------|
|                                              | [n.]   |             |
| 2 End Caps 100/70 + 1 Bottom Outlet Ø 110&75 | 100    | 513200      |
| 2 End Caps 100/70 + 1 Bottom Outlet Ø 110&75 | 100    | 513203      |
| Bituminous sealant for PP-PE channels        | 1      | 500345      |

# Mufle 4ALL H92 Garage pack, Grey

## Product information

- The pack contains:  
num. 3 PP-PE grey channels, num. 3 gratings, num. 2 end caps, num. 1 outlet and screws
- Channel internal size (WxH): 95 x 70 mm
- PP-PE rail
- Gratings load classes A15, B125
- Built-in fixing system



## Mufle 4ALL H92 Grey

### Dimensions

| Grating Type               | Load Class | Slot | Length | Width | Height | Weight | Pieces/<br>pallet<br>(80X120) | Artic. Num. |
|----------------------------|------------|------|--------|-------|--------|--------|-------------------------------|-------------|
|                            |            | [mm] | [mm]   | [mm]  | [mm]   | [kg]   | [n.]                          |             |
| PP-PE                      | A15        | 8    | 1000   | 120   | 92     | 4,90   | 26                            | 613007      |
| Galvanized steel           | A15        | 8    | 1000   | 120   | 92     | 5,90   | 26                            | 613008      |
| Stainless steel            | A15        | 8    | 1000   | 120   | 92     | 6,70   | 26                            | 613020      |
| Ductile iron               | B125       | 6    | 1000   | 120   | 92     | 18,20  | 26                            | 613019      |
| Galvanized steel PORTOFINO | A15        | 5    | 1000   | 120   | 92     | 6,45   | 26                            | 613043      |
| Stainless steel PORTOFINO  | A15        | 5    | 1000   | 120   | 92     | 6,70   | 26                            | 613044      |
| Ductile iron CAPRI         | B125       | 8    | 1000   | 120   | 92     | 17,90  | 26                            | 613102      |
| Composite AMALFI           | B125       | 6    | 1000   | 120   | 92     | 8,50   | 26                            | 613103      |

## Mufle 4ALL H92 Grey accessories

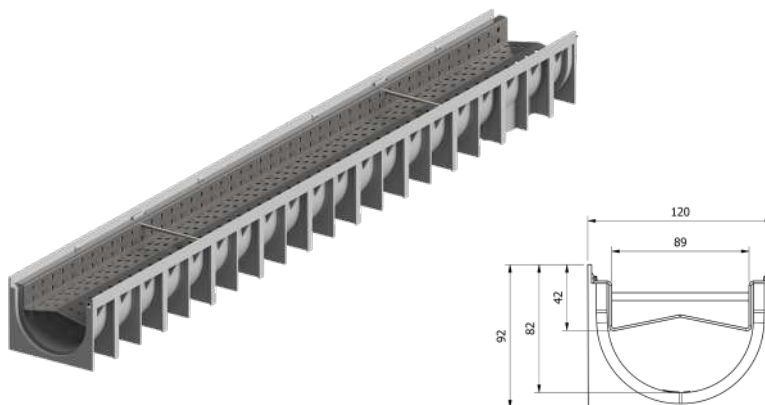
| Description                                  | Pc/Box | Artic. Num. |
|----------------------------------------------|--------|-------------|
|                                              | [n.]   |             |
| 2 End Caps 100/70 + 1 Bottom Outlet Ø 110&75 | 100    | 513205      |
| 2 End Caps 100/70                            | 100    | 513206      |
| Bituminous sealant for PP-PE channels        | 1      | 500345      |

**New**

# Mufle 4Stone

## Product information

- Channel PP-PE MUFLE 4ALLH92 and Stone grating
- Stone grating in galvanized steel or stainless steel AISI430
- Thickness 1,5 mm
- Pedestrian
- Suggested stones (not included) diameter min. 6mm
- Channel internal size (WxH): 89x92mm
- Available in black and grey



## Mufle 4Stone Black

| Image             | Description              | Slot | Width | Length | Height | Weight | Pc/Pal<br>(80X120) | Article<br>number |
|-------------------|--------------------------|------|-------|--------|--------|--------|--------------------|-------------------|
|                   |                          |      | [mm]  | [mm]   | [mm]   | [Kg]   | [n.]               |                   |
| <b>Pedestrian</b> |                          |      |       |        |        |        |                    |                   |
|                   | Galvanized steel         | -    | 125   | 1000   | 92     | 2,80   | 72                 | 613057            |
|                   | Stainless steel AISI 430 | -    | 125   | 1000   | 92     | 2,80   | 72                 | 613058            |

## Mufle 4Stone Grey

| Image             | Description              | Slot | Width | Length | Height | Weight | Pc/Pal<br>(80X120) | Article<br>number |
|-------------------|--------------------------|------|-------|--------|--------|--------|--------------------|-------------------|
|                   |                          |      | [mm]  | [mm]   | [mm]   | [Kg]   | [n.]               |                   |
| <b>Pedestrian</b> |                          |      |       |        |        |        |                    |                   |
|                   | Galvanized steel         | -    | 125   | 1000   | 92     | 2,80   | 72                 | 613059            |
|                   | Stainless steel AISI 430 | -    | 125   | 1000   | 92     | 2,80   | 72                 | 613060            |

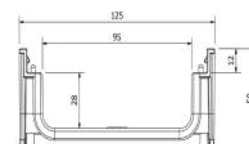
## Notes

[illegible]

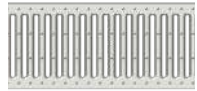
# Mufle 4ALL H50, Black

## Product information

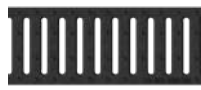
- PP-PE channel
- 4 side connections each channel
- PP-PE rail 5mm thickness
- Gratings load classes A15, B125
- Built-in fixing system
- Available in Black and Grey color



## Mufle 4ALL H50 **combined with** design gratings

| Image                                                                               | Description                   | Slot | Width | Length | Height | Weight | Pieces/<br>pallet<br>(80X120) | Article<br>number |
|-------------------------------------------------------------------------------------|-------------------------------|------|-------|--------|--------|--------|-------------------------------|-------------------|
|                                                                                     |                               | [mm] | [mm]  | [mm]   | [mm]   | [Kg]   | [n.]                          |                   |
| <b>A15</b>                                                                          |                               |      |       |        |        |        |                               |                   |
|   | Galvanized steel<br>PORTOFINO | 5    | 125   | 1000   | 50     | 1,75   | 126                           | 845066            |
|  | Stainless steel<br>PORTOFINO  | 5    | 125   | 1000   | 50     | 1,80   | 126                           | 845068            |
| <b>B125</b>                                                                         |                               |      |       |        |        |        |                               |                   |
|  | Ductile iron<br>CAPRI         | 8    | 125   | 1000   | 50     | 5,20   | 126                           | 845080            |

## Mufle 4ALL H50 **combined with** standard gratings

| Image                                                                               | Description      | Slot | Width | Length | Height | Weight | Pc/Pal<br>(80X120) | Article<br>number |
|-------------------------------------------------------------------------------------|------------------|------|-------|--------|--------|--------|--------------------|-------------------|
|                                                                                     |                  |      | [mm]  | [mm]   | [mm]   | [Kg]   | [n.]               |                   |
| <b>A15</b>                                                                          |                  |      |       |        |        |        |                    |                   |
|  | PP-PE            | 8    | 125   | 1000   | 50     | 1,25   | 126                | 845064            |
|  | Galvanized steel | 8    | 125   | 1000   | 50     | 1,55   | 126                | 845065            |
|  | Stainless steel  | 8    | 125   | 1000   | 50     | 1,80   | 126                | 845067            |
| <b>B125</b>                                                                         |                  |      |       |        |        |        |                    |                   |
|  | Ductile iron     | 6    | 125   | 1000   | 50     | 5,50   | 126                | 845069            |

## Mufle 4ALL H50 Black kit

| Description                                                             | Pc/Box | Artic. Num. |
|-------------------------------------------------------------------------|--------|-------------|
|                                                                         | [n.]   |             |
| ø110 vertical outlet + num.1 ø32 end cap outlet + num.1 closing end cap | 50     | 845001      |
| ø32 end cap outlet + num.1 closing end cap                              | 100    | 845002      |

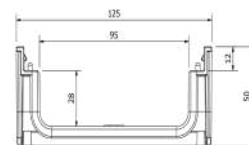
## Mufle 4ALL H50 Black accessories

| Description                           | Pc/Box | Artic. Num. |
|---------------------------------------|--------|-------------|
|                                       | [n.]   |             |
| ø110 vertical outlet                  | 100    | 845005      |
| ø32 end cap outlet                    | 100    | 845006      |
| Closing end cap                       | 100    | 845007      |
| Bituminous sealant for PP-PE channels | 1      | 500345      |

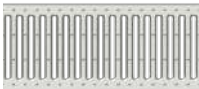
# Mufle 4ALL H50, Grey

## Product information

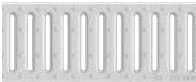
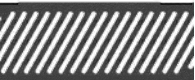
- PP-PE channel
- 4 side connections each channel
- PP-PE rail 5mm thickness
- Gratings load classes A15, B125
- Built-in fixing system
- Available in Black and Grey color



## Mufle 4ALL H50 combined with design gratings

| Image                                                                               | Description                   | Slot | Width | Length | Height | Weight | Pieces/<br>pallet<br>(80X120) | Article<br>number |
|-------------------------------------------------------------------------------------|-------------------------------|------|-------|--------|--------|--------|-------------------------------|-------------------|
|                                                                                     |                               | [mm] | [mm]  | [mm]   | [mm]   | [Kg]   | [n.]                          |                   |
| <b>A15</b>                                                                          |                               |      |       |        |        |        |                               |                   |
|   | Galvanized steel<br>PORTOFINO | 5    | 125   | 1000   | 50     | 1,90   | 126                           | 845073            |
|  | Stainless steel<br>PORTOFINO  | 5    | 125   | 1000   | 50     | 2,00   | 126                           | 845075            |
| <b>B125</b>                                                                         |                               |      |       |        |        |        |                               |                   |
|  | Ductile iron<br>CAPRI         | 8    | 125   | 1000   | 50     | 5,40   | 126                           | 845077            |

## Mufle 4ALL H50 combined with standard gratings

| Image                                                                               | Description      | Slot | Width | Length | Height | Weight | Pc/Pal<br>(80X120) | Article<br>number |
|-------------------------------------------------------------------------------------|------------------|------|-------|--------|--------|--------|--------------------|-------------------|
|                                                                                     |                  | [mm] | [mm]  | [mm]   | [mm]   | [Kg]   | [n.]               |                   |
| <b>A15</b>                                                                          |                  |      |       |        |        |        |                    |                   |
|  | PP-PE            | 8    | 125   | 1000   | 50     | 1,50   | 126                | 845071            |
|  | Galvanized steel | 8    | 125   | 1000   | 50     | 1,75   | 126                | 845072            |
|  | Stainless steel  | 8    | 125   | 1000   | 50     | 2,00   | 126                | 845074            |
| <b>B125</b>                                                                         |                  |      |       |        |        |        |                    |                   |
|  | Ductile iron     | 6    | 125   | 1000   | 50     | 5,70   | 126                | 845076            |

## Mufle 4ALL H50 Grey kit

| Description                                                             | Pc/Box | Artic. Num. |
|-------------------------------------------------------------------------|--------|-------------|
|                                                                         | [n.]   |             |
| ø110 vertical outlet + num.1 ø32 end cap outlet + num.1 closing end cap | 50     | 845003      |
| ø32 end cap outlet + num.1 closing end cap                              | 100    | 845004      |

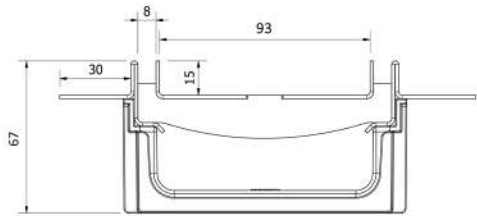
## Mufle 4ALL H50 Grey accessories

| Description                           | Pc/Box | Artic. Num. |
|---------------------------------------|--------|-------------|
|                                       | [n.]   |             |
| ø110 vertical outlet                  | 100    | 845008      |
| ø32 end cap outlet                    | 100    | 845009      |
| Closing end cap                       | 100    | 845010      |
| Bituminous sealant for PP-PE channels | 1      | 500345      |

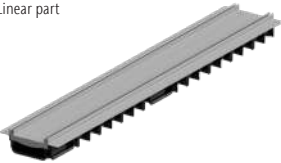
# Mufle 4ALL H50 channel body and Tile grating

Product information

- PP-PE channel and Tile
- SlotTop Tile in stainless steel AISI 304 (on request AISI 316)
- Load class A15
- Two slots dimension 8mm
- Total height 67mm



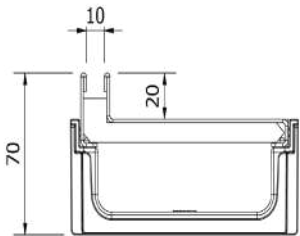
## Mufle 4ALL H50 channel with Tile

|                                                                                                                   | Material        | Dimensions |       |        | Slot | Weight | Art. Num. |
|-------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------|--------|------|--------|-----------|
|                                                                                                                   |                 | Lenght     | Width | Height |      |        |           |
|                                                                                                                   |                 | [mm]       | [mm]  | [mm]   | [mm] | [kg]   |           |
| <div>Linear part</div>         | Stainless steel | 1000       | 125   | 67     | 8    | 4,35   | 845340    |
|                                                                                                                   |                 |            |       |        |      |        |           |
| <div>Initian/final part</div>  | Stainless steel | 1000       | 125   | 67     | 8    | 4,35   | 845344    |
|                                                                                                                   |                 |            |       |        |      |        |           |
| <div>LEFT corner</div>         | Stainless steel | 1000X1125  | 125   | 67     | 8    | 8,70   | 845343    |
|                                                                                                                   |                 |            |       |        |      |        |           |
| <div>RIGHT corner</div>        | Stainless steel | 1000X1125  | 125   | 67     | 8    | 8,70   | 845342    |
|                                                                                                                   |                 |            |       |        |      |        |           |

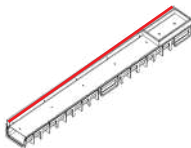
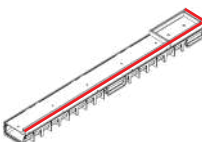
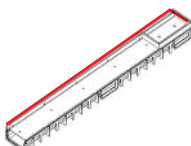
# Mufle 4ALL H50 channel body and SlotTop H20

Product Information

- PP-PE channel and SlotTop H20
- SlotTop H20 in stainless steel AISI 304 (on request AISI 316)
- Load class A15
- Slot dimension 10mm
- Elements of inspection: linear, right and left curve
- Total height 70mm



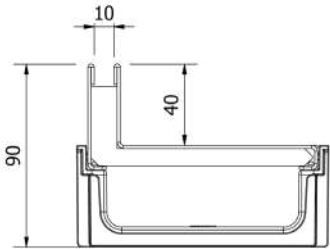
## Mufle 4ALL H50 channel with SlotTop H20

|                               |                                                                                                                                                                         | Material        | Dimensions |       |        | Slot |      |        |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------|--------|------|------|--------|
|                               |                                                                                                                                                                         |                 | Length     | Width | Height | [mm] | [kg] |        |
|                               |                                                                                                                                                                         |                 | [mm]       | [mm]  | [mm]   |      |      |        |
| <hr/>                         |                                                                                                                                                                         |                 |            |       |        |      |      |        |
| <hr/>                         |                                                                                                                                                                         |                 |            |       |        |      |      |        |
| Linear part                   |                                                                                      | Stainless steel | 1000       | 125   | 70     | 10   | 2,90 | 845310 |
| <hr/>                         |                                                                                                                                                                         |                 |            |       |        |      |      |        |
| Initiation/final part         |   | Stainless steel | 1000       | 125   | 70     | 10   | 3,10 | 845311 |
| <hr/>                         |                                                                                                                                                                         |                 |            |       |        |      |      |        |
| with LEFT inspection element  |   | Stainless steel | 1000       | 125   | 70     | 10   | 3,10 | 845313 |
| <hr/>                         |                                                                                                                                                                         |                 |            |       |        |      |      |        |
| with RIGHT inspection element |   | Stainless steel | 1000       | 125   | 70     | 10   | 3,10 | 845312 |
| <hr/>                         |                                                                                                                                                                         |                 |            |       |        |      |      |        |

# Mufle 4ALL H50 channel body and SlotTop H40

Product information

- PP-PE channel and SlotTop H40
- SlotTop H40 in stainless steel or galvanized steel
- Load class B125
- Slot dimension 10mm
- Elements of inspection: linear, right and left curve
- Total height 90mm



## Mufle 4ALL H50 channel with SlotTop H40

|                                                                                     | Material         | Dimensions |       |        | Slot | Weight | Artic. Num. |
|-------------------------------------------------------------------------------------|------------------|------------|-------|--------|------|--------|-------------|
|                                                                                     |                  | Lenght     | Width | Height |      |        |             |
|                                                                                     |                  | [mm]       | [mm]  | [mm]   | [mm] | [kg]   |             |
|  | Galvanized steel | 1000       | 125   | 90     | 10   | 3,50   | 845320      |
|                                                                                     | Stainless steel  | 1000       | 125   | 90     | 10   | 3,50   | 845330      |
| with inspection element                                                             | Galvanized steel | 1000       | 125   | 90     | 10   | 3,90   | 845321      |
|                                                                                     | Stainless steel  | 1000       | 125   | 90     | 10   | 3,90   | 845331      |
|  | Galvanized steel | 1000       | 125   | 90     | 10   | 3,90   | 845323      |
|                                                                                     | Stainless steel  | 1000       | 125   | 90     | 10   | 3,90   | 845333      |
| with LEFT inspection element                                                        | Galvanized steel | 1000       | 125   | 90     | 10   | 3,90   | 845322      |
|                                                                                     | Stainless steel  | 1000       | 125   | 90     | 10   | 3,90   | 845332      |
|  | Galvanized steel | 1000       | 125   | 90     | 10   | 3,90   | 845322      |
|                                                                                     | Stainless steel  | 1000       | 125   | 90     | 10   | 3,90   | 845332      |
| with RIGHT inspection element                                                       | Galvanized steel | 1000       | 125   | 90     | 10   | 3,90   | 845322      |
|                                                                                     | Stainless steel  | 1000       | 125   | 90     | 10   | 3,90   | 845332      |

# Mufle 4ALL H50 Pack

## Product information

- The pack contains:
  - 4 PP-PE channels, 4 gratings, 2 open end caps, 1 closed end cap
- 4 side connections each channel
- PP-PE rail 5mm thickness
- Gratings load class: A15, B125
- Built-in fixing system
- Available in Black and Grey color



## Mufle 4ALL H50, Black

### Dimensions

| Grating Type               | Load Class | Slot | Length | Width | Height | Weight | Pieces/<br>pallet<br>(80X120) | Artic. Num. |
|----------------------------|------------|------|--------|-------|--------|--------|-------------------------------|-------------|
|                            |            | [mm] | [mm]   | [mm]  | [mm]   | [kg]   | [n.]                          |             |
| PP-PE                      | A 15       | 8    | 1000   | 125   | 50     | 5,20   | 33                            | 845100      |
| Galvanized steel           | A 15       | 8    | 1000   | 125   | 50     | 6,50   | 33                            | 845101      |
| Stainless steel            | A 15       | 8    | 1000   | 125   | 50     | 7,60   | 33                            | 845103      |
| Galvanized steel PORTOFINO | A 15       | 5    | 1000   | 125   | 50     | 7,30   | 33                            | 845102      |
| Stainless steel PORTOFINO  | A 15       | 5    | 1000   | 125   | 50     | 7,60   | 33                            | 845104      |
| Ductile iron CAPRI         | B125       | 8    | 1000   | 125   | 50     | 21,00  | 33                            | 845107      |

## Mufle 4ALL H50, Grey

### Dimensions

| Grating Type               | Load Class | Slot | Length | Width | Height | Weight | Pieces/<br>pallet<br>(80X120) | Artic. Num. |
|----------------------------|------------|------|--------|-------|--------|--------|-------------------------------|-------------|
|                            |            | [mm] | [mm]   | [mm]  | [mm]   | [kg]   | [n.]                          |             |
| PP-PE                      | A 15       | 8    | 1000   | 125   | 50     | 6,20   | 33                            | 845200      |
| Galvanized steel           | A 15       | 8    | 1000   | 125   | 50     | 7,35   | 33                            | 845201      |
| Stainless steel            | A 15       | 8    | 1000   | 125   | 50     | 8,20   | 33                            | 845203      |
| Galvanized steel PORTOFINO | A 15       | 5    | 1000   | 125   | 50     | 8,10   | 33                            | 845202      |
| Stainless steel PORTOFINO  | A 15       | 5    | 1000   | 125   | 50     | 8,40   | 33                            | 845204      |
| Ductile iron CAPRI         | B125       | 8    | 1000   | 125   | 50     | 22,00  | 33                            | 845207      |



**MUFLE®**

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